

Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

MARCH 1989

THE NATURE OF DX (CONTINUED)

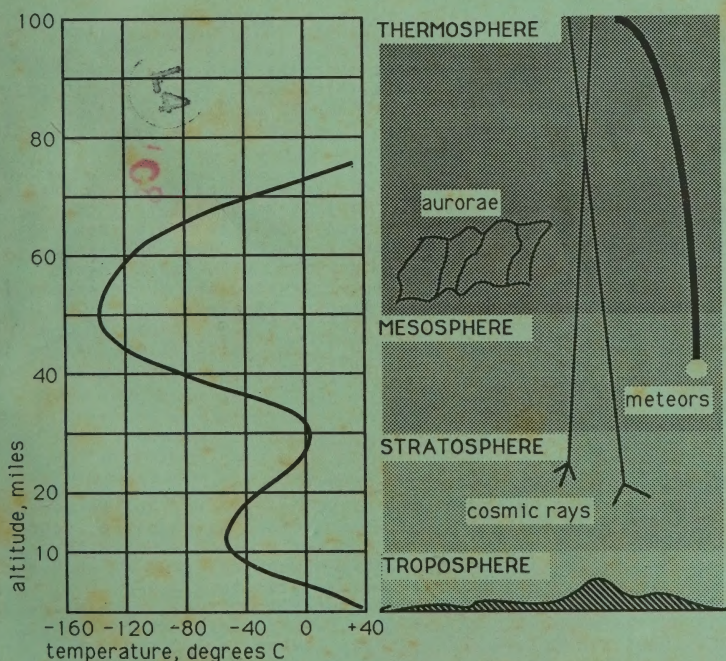


Fig. 1 - MAKEUP OF THE EARTH'S ATMOSPHERE
(see "Technical Topics" to find out where the DX is occurring)

From The STAFF



THE "SLUMP" IS NEARLY OVER!...Need we remind you? Your VHF and UHF DX results may have been less than spectacular lately! What is often called the "DX doldrums" for TV and FM DX should soon be coming to an end--Spring arrives this month! In another month or so, daily conditions should be getting very interesting for VHF and UHF enthusiasts. In addition to the seasonal improvement in tropospheric DX levels, the equinox is approaching, and that means auroral DX becomes more likely. We are, of course, a year or so away from the sunspot peak, a time when outstanding auroral DX is often found. Northerly DXers are reminded to be alert for this somewhat exotic mode--and don't forget, high auroral activity often results in the spawning of unusual late night E-skip.

WTFDA 1989 GETTOGETHER TAKING SHAPE...Host Bill Kretschmer reports that next month's issue will detail plans for the 1989 WTFDA Convention on the August 4th - 6th weekend in Syracuse, NY. He stresses that because of a busy schedule, he needs to hear from those intending to attend the convention well in advance--so if you're planning on being at this year's convention, watch for your April VHF-UHF DIGEST!

COLUMN NEWS...EASTERN TV DX does not appear this month. Editor John Combs relates that only a small number of brief reports were on hand...Thanks to Ron Stock for taking over the long-delayed member roster project, which can be found in this issue...TECHNICAL TOPICS editor Tim McVey continues his classic series on DX propagation in this month's installment--don't miss it, especially if you are new to the DXing hobby!

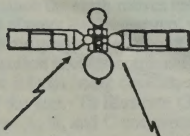
CATALOGS OF INTEREST...Dr. Bruce Elving has a new catalog out that no FM enthusiast should miss, featuring many items of interest to the DXer; if you don't already have one, send a SASE to him at Box 24, Adolph MN 55701-0024. Word has it that a new FM ATLAS edition is in the works!...TV DXers take note--Rich Wertman, 6150 Crosby Road, Lockport NY 14094 says he's putting together item and price sheets for items of interest, including Channel Master, Winegard, and Antennacraft antennas--many of which will be U.P.S. shippable. Anyone interested should send Rich an SASE and \$1.00. Rich is one of the few DXers selling antennas to fellow enthusiasts, and his prices have been very reasonable in the past.

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Thanks to Tim McVey (see page 4) for this month's cover.

SATELLITE NEWS



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A few items this month. The NBC feed on Satcom 1 - 139 W has been unscrambled from time to time due to problems with its K feeds. The entire Satellite went out (K-2) on Saturday, December 18 at 6:29 PM. It took until 6AM the next day to restore complete control over the bird. Many affiliates do not have any decoding equipment with the resulting drop of the encryption. From time to time they still have periods in the clear.

The VCI1 transmission on Satcom 1 XPDR 13V was Z Channel which has now disappeared.

MTV West is now fully operational on Galaxy 3 no longer duplicating East.

Viewers Choice was merged with Home Premier 1 BELIEVE and this is where they are now?

From Orbit Magazine several items

A French newscast from TV1 in France is carried in NTSC on Satcom 2 XPDR 20. I have noticed this live on Intelsat at 34 West on XPDR 23/24.

The Catholic Telecommunications Network of America (CTNA) is now on Satcom 4 - XPDR 2 along with their audio service.

Two new K Birds are scheduled to go into orbit later this year. They are Satcom K-3 and SBS-6. More details later as launch date approaches.

Some new audio services mentioned in Orbit are as follows:

WCCO - Minneapolis on G3 11 8.145

F3 1 5.94

G3 9 5.94/6.12

KTXQ - Dallas/Ft. Worth Spacenet 3 - 15 6.3

Ambassador Inspirational Radio - Spacenet 3 - 15 - 5.4/5.94

Tidewater Radio Network (religious) - Satcom 4 - 8 5.58/5.76

CTNA Radio = Satcom 4 2 6.2

Sun Radio Network - Spacenet 1 5 5.4

Other items:

Colorbars noted NTSC on PanAmSat 11H

Does anyone know what the flap is/was between SelecTV and Starion and Superstar Connection. Many subscribers to SelecTV received a letter from Superstar Connection stating that SelecTV would cease serving the TVRO Market and that the difference would be picked up by Starion all effective Midnight Pacific Time - January 31. SelecTV ran a disclaimer stating for people to call a non800 number for further information. I did and was told someone would get back to me = but I'm never home so I didn't know if they did or didn't. Still don't know what the story is.

When launched in the future:

PanAmSat B 57W

Atlantic 31W Ku

BSB 1

BSB 2 both Ku at 31 W

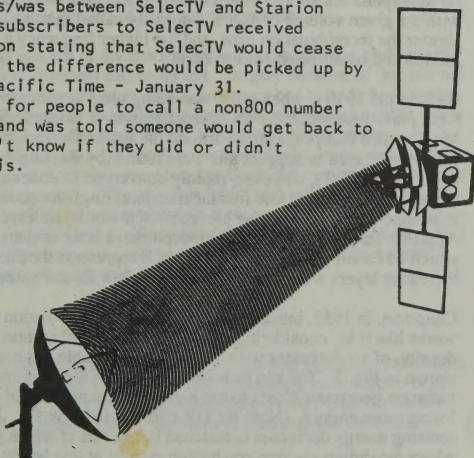
Olympus

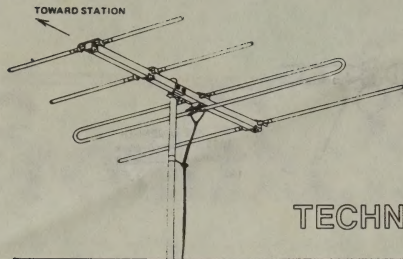
TV Sat 2

TDF 2 all 3 Ku at 19 W

Tele X - 5 E

That's all for now see you in 30.





TECHNICAL TOPICS

THE NATURE OF DX - PART IV: REFLECTION MODES

Sometimes it's amazing the secrets that nature keeps in spite of all our efforts and scientific progress. There still exist, at this time, no way to predict exactly where the next earthquake will occur, the winner of tomorrow's game, the sex of an unborn baby, etc. The behaviour of the ionosphere is a perfect example. In fact, I have deliberately put off writing this last article for over a year, thinking that somewhere I would come up with some book or person that would explain, completely, the phenomena of "sporadic E." That source hasn't turned up yet. Fortunately, 70 years of intensive research by many has led to very detailed documentation of the behaviour of the ionosphere. The highlights of all of this will be shared in this article, along with some theories about the formation of the ionosphere and its patches of ionization. We will cover, this month and next month, all of the "reflection" propagation modes for VHF/UHF: E-skip, F-2 skip, meteor scatter, and auroral.

THE ATMOSPHERE

A good place to start is to look closely at the earth's atmosphere. As seen in Figure 1, there are four regions called the troposphere, stratosphere, mesosphere, and thermosphere. The boundaries of these are determined by temperature profile. In the troposphere, temperature (T) decreases with altitude (except for the localized anomalies that cause tropo DX--see parts II and III). Around 50,000 feet, sensors on rockets have measured that T begins to increase with altitude, and does so to a maximum at around 30 miles. This region, containing our protective ozone layer, is called the stratosphere. And in similar fashion, the mesosphere and thermosphere are defined.

Within those two regions, roughly 30 to 300 miles up, electrons and ionized particles interact in a neighborhood called the ionosphere. Nitrogen and oxygen molecules that find their way out of the lower atmosphere eventually reach the ionosphere, where they collide with ultraviolet radiation (UV) from the sun. The energy from that collision knocks electrons off of the molecules, leaving positively charged ions and free electrons. Each electron soon encounters another positive ion, to which it attaches, forming once again a molecule of nitrogen or oxygen. This process of atomic "musical chairs" is called recombination.

Now, while that electron is unattached, it can be excited by radio waves. If a free electron encounters energy from a radio wave, it will oscillate and re-radiate this energy. But it can only do so until it recombines. The time that elapses between the formation of an ion (the loss of an electron) to when that electron attaches to another ion is called recombination time. The recom. time depends on how far apart particles are from each other. The distance between particles depends on how many exist within a given volume of space, a quantity called density. Thus, the greater the (electron) density, the shorter the recombination time, and the higher frequency a radio wave must be to set electrons into motion and be reflected back to earth.

Back in the 1910's, when radio was being used to communicate with ships thousands of miles away from port, there was little understanding why it worked. Some followed the school of thought (of MacDonald) that propagation around the world was due to some sort of diffraction. But the mathematics used to support this were found (by Rayleigh) to be in error. Theories and observations in the early 1920's, however, rapidly converged to understanding. Kennelly (an American researcher) and Heaviside (his independent, English counterpart) suggested that a layer in the upper atmosphere must exist, at an elevation of about 50 miles, capable of reflecting radio waves. By 1925 Appleton had "discovered" the ionosphere: a layer of dense electron concentration at about 75 miles which he called the "E" layer (because E represents the Electric field of a radio wave). Shortly thereafter layers were found above and below E, and named F and D, respectively.

Chapman, in 1931, introduced a theory of layer formation that is more or less accepted to this day. It works like this: considering the process of recombination, we know that the concentration, or density, of air decreases with height. A reasonable gas concentration profile (density vs. altitude) is shown in Fig. 2. The sun provides a source of ionizing radiation from above the atmosphere. As that radiation penetrates closer to the earth, it encounters more air and produces more electrons, thereby losing more energy. (Note the UV energy profile in Fig. 2.) At some point, the rate at which ionizing energy decreases is matched by the rate at which gas intensity increases. It is at that point where maximum electron production occurs; at that height a layer forms.

Since the source of radiation is the sun, and since the earth moves relative to the sun, the intensity of radiation varies. Further, some electrons are always lost into space, while at the same time more air is circulated upward from winds in the lower atmosphere. Because of this, (1) the air in the ionosphere is never completely ionized, (2) the recombination process continually extracts energy from solar and cosmic radiation, preventing life as we know it from being cooked, and (3) the rate of production of electrons varies according to the position of the sun. To illustrate (3), Fig. 3 shows rates of production of electrons versus height. Curves A, B, and C correspond to these rates at locations:

A - midday, directly above the equator;

B - midday, overhead at some latitude north of equator, in midsummer;

C - midday, overhead at that same location in midwinter.

If all such curves over all times and places are normalized, they seem to all reduce to the form shown in Fig. 3(b). This is called a Chapman layer.

Throughout the 1930's and 40's countless experiments were devised to observe the location of this layer. Since no rockets were available then, observations were limited to making special radio transmissions called ionospheric soundings. By measuring the time for a radio wave to travel upward from an antenna, to the ionosphere, and back to the antenna, along with the maximum usable frequency (MUF) supported by reflection, it was possible to produce an "ionogram" which precisely located the layer. Countless ionograms made all over the world found not only one layer, but at least four fluctuating layers.

THE IONOSPHERIC LAYERS

The D layer is a broad region of ionization found at an altitude of 30 to 50 miles. D-layer ionization follows the intensity of the sun's radiation very closely; it peaks at noontime and disappears shortly after sunset. Further, because of the D layer's location in the lower part of the atmosphere, ionization levels are low, and recombination time is such that most radio energy is absorbed. The absorption rate decreases with increasing frequency, to the point that signals above 5 MHz are practically unaffected. (Exceptions to this occur when solar storms or man's nuclear explosions pump radiation into the D-layer and cause temporary blackouts--absorption at much higher frequencies--known as "sudden ionospheric disturbances," or SID's.) AM broadcast signals (0.54-1.6 MHz), for example, are absorbed by day (and more so in summer than in winter), but not at night, when they bounce off the E-layer and return to earth hundreds of miles away. (See Fig. 4)

The upper reaches of the D layer gradually blend into the lower extent of the E layer, loosely defined between 50 and 75 miles up. As would be expected, E-layer ionization is greater, and closely follows the position of the sun. During the night the density of the layer wanes as recombination takes place. During the day it becomes stronger, with maximum ionization around noontime. It has little effect on communications, except to contribute a little bit of absorption at low frequencies (less than 10 MHz). Within the E-layer, however, are mysterious currents and winds which give rise to short-lived patches of extremely high ionization capable of reflecting VHF signals--this condition is called "sporadic E."

The restless F layer rises and falls within an altitude of roughly 150 to 250 miles during the night. During daylight hours, the F layer separates into two distinct regions. F-1 extends from 90 to 150 miles up, and F-2 hovers around 200 miles in the summer, rising to 300 miles in the winter. (Fig. 5) Because the atmosphere is so rarefied at these altitudes, the recombination rate is low and the layer maintains a high electron concentration through the night. By day that concentration will more than double. It is the F layer which is responsible for the ability to carry on worldwide communications. Shortwave broadcasts and HF communications all over the world are routine below 15 MHz, with good conditions supported up past 30 MHz during times of high sunspot activity.

During the IGY in 1957, when study of and interest in the ionosphere was at an all time high, every nuance of the behaviour of the ion layers was observed and analyzed. Largely because of that intense research, ham radio operators and international broadcasters now have many books and charts which can be used to fairly accurately (at least as accurately as predicting tomorrow's weather) predict when and where HF propagation will be supported. For the more exotic VHF propagation by the ionosphere, however, research has failed to come up with much more than theory, even through the 70's and 80's. Today, the Chapman theory has held up somewhat, but there are many idiosyncracies of the F-2 layer that escape explanation. For instance, why are there often two maximum rate peaks on either side of noontime? Why does electron density vary through a normal 24-hour cycle in the polar regions during the winter, when the sun does not rise for weeks at a time? And when the sun is directly over the equator at midday on the day of equinox, the peak F layer concentrations are not found overhead, but at two distinct maxima both north and south of the equator.

SUNSPOTS

Because the activities of the ionosphere are fueled by the sun, it is not surprising that radio conditions vary with time of day, seasons, geography, and solar variations. One interesting solar feature is the sunspot. For reasons still unknown, these dark areas form, and when they do they emit unusually large numbers of charged particles and UV radiation. When these things intercept the earth, the

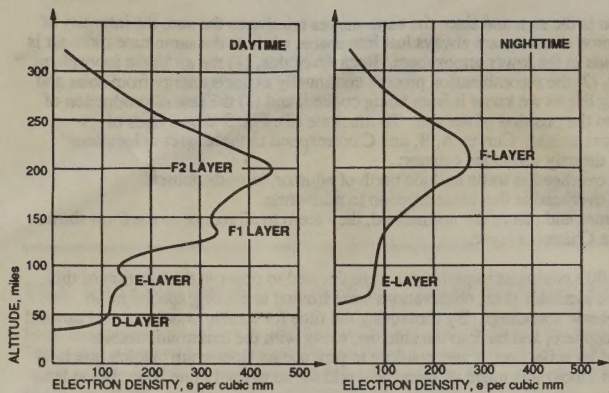


FIG. 4

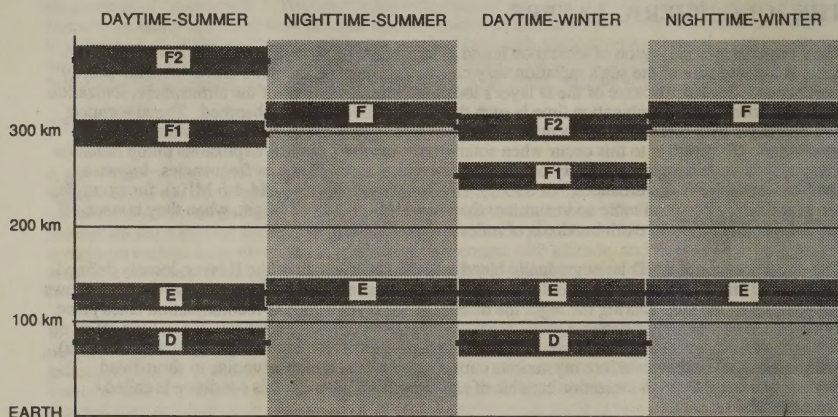


FIGURE 5

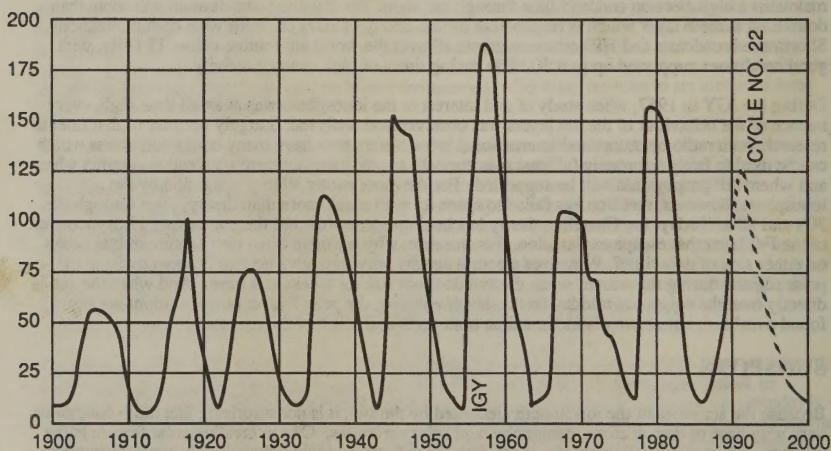


FIGURE 6 - SUNSPOT COUNT, yearly averages

ionosphere becomes quite disturbed. The particles often coincide with the appearance of aurorae. Sometimes a sufficient dose of UV will cause the MUF to fall suddenly, creating near total blackout of radio communications below 30 MHz. There have even been occurrences of MUF shooting to 100 MHz for a very short time before dropping to blackout conditions.

Sunspots, for all their mysteries, do have one very predictable form of behaviour: their numbers rise and fall on a regular, 11-year cycle. Cycle number 22 is due to reach a peak in 1991, as shown in Fig. 6. Already in 1988 worldwide observations have seen the MUF's steadily climb, and F-2 supported VHF reflection has occurred as a result of increased sunspot activity.

UV radiation travels from the sun at 186,000 miles per second, completing the trip to earth in about 8 minutes. Particle emissions travel slower, and may not cause noticeable effects on propagation for at least a day. Most of the time, the earth intercepts only a small portion of the stream spewed from a sunspot, resulting in increased electron density in the F layer(s), and an increased MUF that lasts for several hours or days. And since the sun completes one rotation every 27 days, there is often a certain periodicity to sunspot-induced events. Observations by radio amateurs have noted that while a sunspot may not always be visible, the area in which it was located may influence the ionosphere for as many as five solar rotations. It pays for DX'ers to keep records and look for repeat performances of DX openings based on this 27-day interval.

SPORADIC-E

Now we have arrived at the most important part of the article for a VHF DX'er: the formation of "sporadic-E," or ES. As mentioned earlier, ES refers to patches of high ionization that exist within the E layer, typically around 60 miles high. These patches are often referred to as "clouds" because they are believed to form and behave very much like the clouds we are accustomed to seeing in the troposphere. They are usually less than 100 miles across, and seldom more than a few miles thick. Ionization reaches levels sometimes high enough to reflect TV signals and FM broadcasts to 110 MHz. The 6 and 10 meter amateur radio bands frequently buzz with long distance activity due to ES. But no doubt the reader is wondering how exactly this takes place. So is the author! Next month this article will look into this in detail, and finish up with a brief treatment of meteor and auroral reflections.

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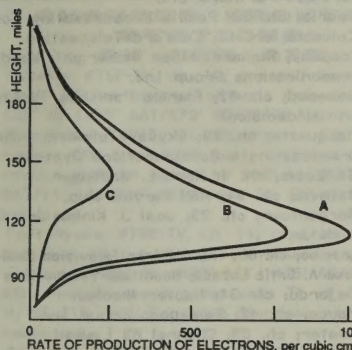


FIG. 3a

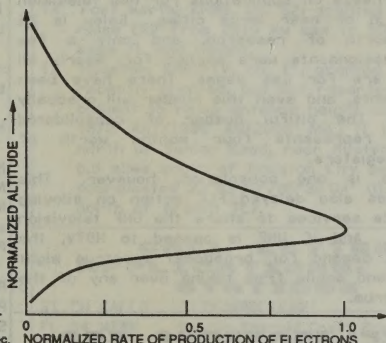


FIG. 3b

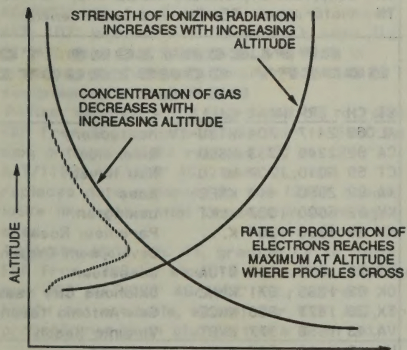
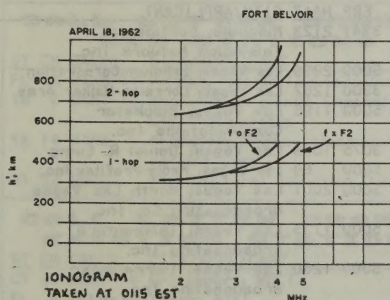


FIG. 2



Television news

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ABBREVIATIONS USED IN THIS COLUMN:

AAT	Antenna height above average terrain
AG	Antenna height above ground
ASL	Antenna height above sea level
AZ	Azimuth (North=0°)
BT	Beam Tilt
CIR	Circular polarization
CP	Construction permit
CRTC	Canadian Radio-television and Telecommunications Commission
DA	Directional antenna
ERP	Effective Radiated Power
FCC	Federal Communications Commission (USA)
HOR	measured along a horizontal plane
MAX	In the direction or elevation of maximum signal strength
MP	Construction permit modification
TL	Transmitter or tower location
+	carrier frequency offset 10 kHz above standard
-	carrier frequency offset 10 kHz below standard
Z	carrier frequency not offset

It is interesting to note the effects of the current freeze on applications for new television stations in or near large cities. Below is 2½ months worth of research, and only a few channel assignments were applied for. Nearly all of them are for Las Vegas. There have been fewer grants, and even this number will gradually decrease. The pitiful number of consolidated hearings represents four months worth of Federal Registers.

There is one consolation, however. This freeze has also delayed FCC action on allowing land mobile services to share the UHF television spectrum. And if UHF is opened to HDTV, the increased demand for broadcast spectrum might prevent land mobile from taking over any of the UHF spectrum.

APPLICATIONS FOR NEW TELEVISION STATIONS

ST	CH	ERP	HAAT	CITY/APPLICANT
MT	23	3341	2123	Missoula; Continental Television Network Inc.
NV	15	5000	2359	Las Vegas; Echonet Corporation
NV	15	3300	1267	Las Vegas; Lorraine Walker Arms
NV	15	5000	1185	Las Vegas; Blackstar Communications Inc.
NV	15	3075	1099	Las Vegas; Daniel R. Ewing
NV	15	5000	69	Las Vegas; Media Profiles Inc.
NV	15	5000	2001	Las Vegas; North Las Vegas Broadcasting Co. Inc.
NV	15	5000	1135	Las Vegas; Televetur Broadcasting Inc.
NV	15	5000	1260	Las Vegas; Tierra Alta Broadcasting Inc.
NM	50	1439	4153	Albuquerque; Mary Moran
NC	4	100	466	Manteo; Manteo TV Associates (amended)

CONSTRUCTION PERMITS GRANTED

ST	CH	ERP	HAAT	CITY/APPLICANT
AK	33	5000	98	Anchorage; Echonet Corporation
AZ	9	1	1857	Flagstaff; G6D Communications (initial decision)
CA	51	15.9	268	Merced; Wade Axell (summary decision)
CA	66	5000	435	Novato; North Bay Television Inc.
IL	59	5000	2023	Peoria; Peoria Broadcasting Services Inc.
LA	62	5000	695	Hammond; Pontchartrain Broadcasting Co. Inc. (initial decision)
NY	51	5000	1000	Batavia; Genesee Communications
NC	23	1500	1109	Morganton; GNOL Broadcasting Inc. (initial decision)
OR	31	100	2373	Klamath Falls; Sunshine Television
PR	60	2250	776	Arecibo; Hector Negroni Cartagena
SC	63	5000	1781	Sumter; C. Fred McLaughlin
TN	41	1000	305	Union City; James Curtis Guthrie
TX	51	5000	2023	Katy; Johnson Broadcasting Inc.
WI	52	2500	764	Mayville; Pacer Television Co.

APPLICATIONS DISMISSED

AL	Arab; ch. 56; William E. Bussey Jr.
AK	Anchorage; ch. 33; Alaska 33 Inc.
AZ	Flagstaff; ch. 9; Carl M. Fisher; Grand Coconino Broadcasting; Overview Communications Inc. (initial decision)
CA	Novato; ch. 68; Magdalene Gunden; Marin TV Services Partners Ltd.
IL	Peoria; ch. 59; Peoria Broadcasting Company
LA	Columbia; ch. 11; Lanford Telecasting Company; Richard William Wainwright; Woods Communications Group Inc.
LA	Hammond; ch. 62; Florida Parishes TV Ltd. (initial decision)
MI	Marquette; ch. 19; Skyway Television; Turner Broadcasting & Communications Systems.
MO	St. Louis; ch. 4; Mark L. Wodlinger.
NY	Batavia; ch. 51; M&M Partnership.
NC	Morgantown; ch. 23; Joel J. Kinlow Jr.; R.L. Bush Jr.
PR	Arecibo; ch. 60; The Children Television Media; Jose A. Ortiz Lozada; Mountlake Productions Ltd.
PR	Fajardo; ch. 34; Hector Nicolau.
PR	Yauco; ch. 42; Telemundo Group Inc.
SC	Sumter; ch. 63; Channel 63 Limited Partnership; Sumter Television Inc.; Tantamount Communications Inc.
TX	Katy; ch. 51; Victory Media Inc.
TX	Victoria; ch. 25; Richard Lee French.

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

ST	CH	ERP	HAAT	CALLS	CITY
AL	63	2417	704	WTSU-TV	Montgomery
CA	62	2340	2333	KSLD	Riverside
CT	59	5010	1207	WTVU	New Haven
IA	23	2650	414	KMES	Ames
KY	62	5000	1027	WLKT	Lexington
NV	39	1330	1204	K...	Paradise; Rose Development Company
NY	26	659	597	WTJA	Jamestown
OK	62	1265	971	KMNZ	Oklahoma City (amended)
TX	23	1471	856	KHCE	San Antonio (amended)
VA	43	1658	377	WVBT	Virginia Beach
WY	2	0.19	997	KJVI	Jackson

CONSTRUCTION PERMIT MODIFICATIONS GRANTED

ST	CH	ERP	HAAT	CALLS	CITY
FL	69	5000	866	WYHS	Hollywood
GA	34	1258	1352	WNGM-TV	Athens
HI	14	75.8	26	KWHE	Honolulu
HI	15	750	5653	KOGG	Wailuku
IN	62	5000	479	WJYS	Hammond
TN	54	28.7	1007	WPWC	Jellico
TN	8	316	1254	WXXT-TV	Knoxville
TX	22	5000	1873	KUYA	Galveston
TX	23	1471	856	KHCE	San Antonio
TX	28	676	328	KLRB	Wolfforth
WI	49	2670	469	WJJA	Racine

APPLICATIONS TO CHANGE EXISTING FACILITIES

ST	CH	ERP	HAAT	CALLS	CITY
DC	26	2296	766	WETA-TV	Washington (cp)
FL	3	100	1551	WEDU	Tampa (cp)
GA	28	5000	1511	WJSP-TV	Columbus (cp)
GA	44	1365	922	WVGA	Valdosta (cp)
KY	19	2676	791	WLCN	Madisonville (cp)
ND	4	80	912	KWSE	Williston (cp)
OR	13	7.2	2581	KTVR	La Grande (cp)
PR	2	55	2825	WKAQ-TV	San Juan (cp)
TX	52	5000	1076	KFWD	Fort Worth (mp; s/on 9/1/88)
WV	33	5000	1238	WPBY-TV	Huntington (mp)
WI	20	1437	985	WHRM-TV	Wausau (cp)

CHANGES GRANTED STATIONS ON THE AIR

AZ	Phoenix; KTSP-TV, ch. 10; granted license to cover CP for change: antenna raised about 109' to 1805' AAT/373' AG/3047' ASL.				
CT	New Britain; WVIT, ch. 30; granted CP to reduce ERP from 3090 kw to 1435 kw max; reduce antenna height by 988' to 469' AAT/141' AG/866' ASL; same TL. Get it while you can.				
FL	Fort Myers; WINK-TV, ch. 11; granted license to cover CP for changes: antenna height increased 483' to 1478' AAT/1475' AG/1505' ASL; coordinates suggest same TL or close to it; BT CIR; look for some improvement to reception.				
GA	Cochran; WDCO-TV, ch. 15 to change to ch. *29*; ERP to be raised from 501 kw max/363 kw hor to 5000 kw max; 1088' AAT/1078' AG/1458' ASL (conflicting figures: 61' lower AAT; 107' lower AG; 87' lower ASL; same TL; BT HOR; look for substantial increase in signal strength. Note change in channel assignment.				
GA	Pelham; WABW-TV, ch. 14; granted MP to raise ERP from 501 kw max/363 kw hor to 5000 kw max; antenna height reduced 27' to 1240' AAT/1193' AG/1518' ASL; same TL; this replaces data reported in the 12/87 column; looks like substantial increase in coverage area.				
GA	Valdosta; WVGA, ch. 44; granted CP to raise ERP from 1290 kw max/813 kw hor to 1365 kw max; 922' AAT/922' AG/1152' ASL; current height not available, except for 920' AAT, so probably not much change there if at all.				

KY	Madisonville; WLCN, ch. 19; granted CP to raise ERP from 215 kw max to 2676 kw max; increase antenna height 492' higher ASL to 791' AAT/666' AG/1220' ASL; TL north side of Hopkins County Road No. 260, about 2.4 miles west of Hanson; coordinates 37°24'46"/87°31'32" (6 miles north of present TL). Looks like a big boost both in ERP and antenna height, making for better DX in IL, IN and MO.				
NM	Albuquerque; KGSW-TV (ex-KGSW), ch. 14; granted license to cover CP for change: antenna height reduced 44' to 4181' AAT/145' AG/10769' ASL.				
NY	Plattsburgh; WCFE-TV, ch. 57; granted license to cover CP for changes; ERP raised from 762 kw max to 800 kw max; same TL; 2377' AAT/414' AG/3981' ASL (very conflicting with old data; 50' lower AAT; 32' lower AG; 115' lower ASL).				
NC	Linville; WUNE-TV, ch. 17; granted license to cover CP for changes; ERP changed from 1350 kw max/376 kw hor to 918 kw max; 1558' AAT/186' AG/4786' ASL (reduction in height of 79'); DA BT HOR.				
TN	Lebanon; WJFB, ch. 66; granted CP to raise ERP from 100 kw max to 250 kw max; 528' AAT/259' AG/1148' ASL (previous amended permit called for 484' AAT, so probably little change in height, if any.); same TL.				
TN	Memphis; WMKW-TV, ch. 30; granted CP to raise ERP from 2500 kw max/1009 kw hor to 5000 kw max.				
TX	Fort Worth; KFWD, ch. 52; granted MP to raise ERP from 2619 kw max to 5000 kw max; same TL and height.				
TX	Houston; KHOU-TV, ch. 11; granted MP (CP recently granted, but not reported in this column) to raise antenna height about 463' to 1870' AAT/1936' AG/2008' ASL; TL 0.5 mile north of Senior Road, near Mustang Bayou, 6.9 miles south of Houston City boundary; coordinates 29°33'40"/95°30'04" (0.3 mile north of present TL).				

CALL LETTER APPLICATIONS: NEW STATIONS

ST	CH	CALLS	CITY/APPLICANT
FL	64	WTNK	Destin; Emerald Coast Broadcasting.
PR	60	WMEI	Arecibo; Hector Negrón Cartagena
WV	60	WEVW	Martinsburg; Ralph D. Albertazzie

CALL LETTER GRANTS: NEW STATIONS

ST	CH	CALLS	CITY/APPLICANT
FL	63	WAJM-TV	Palatka; Palatka Television Inc.
TN	8	WXKT-TV	Knoxville; Knoxville Channel 8 Ltd. Partnership
VA	14	WTMW	Arlington; Urban Telecommuni-cations Corp.
WI	52	WWSR	Mayville; Pacer Television Company

CALL LETTER GRANTS: EXISTING STATIONS

ST	CH	CALLS	CITY/APPLICANT
CT	43	WHA1-TV	Bridgeport; WBCT
FL	8	WFLA-TV	Tampa; WFLX
NM	14	KGSW-TV	Albuquerque; KGSW
NC	36	WPCQ-TV	Charlotte; WPCQ

NEW STATIONS ON THE AIR

- AR Pine Bluff; KVTN, ch. 25-, went on the air 12/1/1988; 4368 kw max ERP; 596' AAT/594' AG/820' ASL; TL south side of State Route 161, 4.5 miles west of England; coordinates 34°31'52"/92°02'42"; independent station; address: Agape Church Inc., 701 Napa Valley Drive, Little Rock AR 72211.
- CA Bakersfield; KDOB-TV, ch. 45+, went on the air 12/1/1988; 5000 kw max ERP; 1325' AAT/144' AG/3665' ASL; TL Mt. Adelaide, approximately 15 miles ENE of Bakersfield; coordinates 35°26'20"/118°44'24"; independent station; address: KDOB-TV, Box 5276, Bakersfield CA 93388. Station was originally intended for ch. 48, but channel was changed by a recent MP.
- CO Denver; KTVQ, ch. 20z, went on the air 12/1/1988; 3148 kw max ERP; 1256' AAT/241' AG/7927' ASL; TL approximately 13 miles ENE of Idledale, Jefferson County; coordinates 39°40'18"/105°13'12"; address: Twenyer, Inc., 11203 E. Peakview Avenue, Englewood CO 80111.
- FL Clermont; WKCF, ch. 68z, seen testing by John Combs on 12/14/1988; 5000 kw max ERP; 1683' AAT/1662' AG/1716' ASL; TL 1.3 mile west of the intersection of highways 17, 92 and Miller Road, near Orange City; coordinates 28°55'16"/81°19'09"; independent station; current address not yet available.
- MI Mount Clemens; WADL, ch. 38+, is scheduled to sign on in February, 1989.
- ND Jamestown; KNRR, ch. 7-, went on the air 10/7/1988; 316 kw max ERP; 442.9' AAT/449.5' AG/1935.7' ASL (antenna heights from recent application, not yet granted); TL 2.5 miles WNW of Fort Seward Historic Site, Jamestown; coordinates 46°55'25"/98°46'20"; FBC affiliate, satellite of KVRN, ch. 15, Fargo ND; address: Red River Broadcasting Corporation, 4015 9th Avenue SW, Box 2801, Fargo ND 58108.
- TN Knoxville; WKXT-TV, ch. 8z, went on the air in early December, 1988; 316 kw max ERP; 1272' AAT/1034' AG/2292' ASL; TL 0.2 mile NE of Sharp's Ridge Memorial Park Road, Knoxville; coordinates 36°00'35.9"/83°55'56.5"; CBS affiliate; This station replaces WTVK, ch. 26, also owned by South Central Communications Corp., who turned in its license when WKXT-TV signed on.
- WI Milwaukee; WDJT-TV, ch. 58z, went on the air Nov., 1988; 2800 kw max ERP; 535' AAT/630' AG/1230' ASL; TL 505 E. Capitol Drive, Milwaukee; coordinates 43°05'15"/87°54'12"; independent station; address: TV 58 Ltd. Partnership, 509 W. Wisconsin Avenue, Milwaukee WI 53203.

- change its offset to accommodate new channel 4 assignment in Crandom WI).
- NV Goldfield: delete 2-; add 7- (requested by KTVN, ch. 2, Reno, to allow it to relocate its transmitter from Red Peak to McClellan Peak).
- WI Crandom: add 4z.

CONSOLIDATED HEARINGS

- AL Tuskegee; ch. 22; Hefty Communications Ltd.; Tuskegee Television; Tuskegee Associates; Tuskegee Communications Inc.
- AZ Phoenix; ch. 61; Compass Rose Communications Corporation; Sun World Communications; Channel 61 Partners Ltd.; Maricopia Community Television Project; Brooks Broadcasting.
- CA Vallejo; KPST-TV, ch. 66; consolidated hearing between Pan Pacific Television Inc. (licensee), Stockholders of Pan Pacific Television (transferors of license), and Silver King Broadcasting of Northern California (transferees).
- PR Yauco; ch. 42; Yauco Television Broadcasting; Maranatha Christian Network.

FORUM

The mystery of that AVN channel 53 in the New Jersey area has come to an end. The Philadelphia edition of TV Guide includes this note in its channel listing: "WHSP, Ch. 65 in Vineland, and WWAC, Ch. 53 in Atlantic City, carry shop-at-home programs seven days a week." Also in South Jersey, WOAC in Hammonton is now programming sports as it had promised, and identifies as WOAC.

And now for the mail, starting in the Northeast with BOB SEAMAN (Hazleton PA), who writes on WBRE, ch. 28 in Wilkes-Barre PA: "WBRE's tower was knocked down by high winds and a heavy ice storm on Sunday, January 8 '89 sometime before the station tried to sign on that morning. They were off the air for a few days. Apparently they are now broadcasting from a transmitter on top of their transmitter building with a reported power of 30 kilowatts. They were supposed to raise their power to 60 kilowatts and have a 200 foot tower installed by Super Bowl Sunday, but I never saw any improvement in their signal here, which is only about 18 miles from their transmitter site. Unconfirmed reports have stated that their new transmitter and tower will not be in place until sometime in the spring of '89." "They are sending their signal to a number of cable companies via microwave."

HARRY HAYES (Wilkes-Barre PA) sent an article from the 1/9 Wilkes-Barre Citizens' Voice on the incident. A photograph of the tower's remains somewhat resembles a plate of spaghetti. Additional information is given in this article: "Several programming maneuvers were made in which WYOU, Channel 22, aired the game for its competitor station and Service Electric picked up the feed from KYW, the Philadelphia NBC affiliate, which carried the game." "Station officials said that this was the first time in its 35 years of broadcasting that WBRE had been off the air for an extended period of time. Even during the Agnes Flood of 1972 when the WBRE studios in downtown Wilkes-Barre received several feet of water, the station was able to microwave a signal

CHANGES IN THE TABLE OF CHANNEL ASSIGNMENTS

- FL Tallahassee: add 24z
- GA Cochran: delete *15z; add *29+ (by request of Georgia Public Telecommunications Commission; WDCO to modify its license to specify ch. 29 instead of 15.)
- MN Minneapolis-St. Paul: change offset from 4z to 4+ (WCCO-TV was ordered by the FCC to

from Penobscot back to the station and air network and local programming."

TOM YINGLING (Dundalk MD) reports that LPTV station W42AJ in Washington DC is broadcasting Spanish programs, and is affiliated with Telemundo.

MIKE WIMER (Woodbridge VA) comments on his mistaken logging of WGGF-55 in Lebanon: "It was WLIG-55 (Riverhead) and not WGGF-55 (Lebanon). That logging was an error on my part and should have been a 'tentative'. (I wasn't aware that WGGF-55 wasn't on.) John Combs wrote in 'Lebanon,' in my report (Jan '89 VUD)." Mike also asks, "Any word on WVRN-63 (Richmond, VA)? I haven't seen them since around Sept. or Oct. 1988." All I know is that they went off the air. I don't know why, or when the station expects to come back on.

LARRY FUSS (Opelika AL) sent an article that explains the station change in Knoxville: From the 1/9 *Television/Radio Age*: "It ain't easy. But if you're in the rare right market and you're patient enough to wait around for seven years like the people at Tennessee Telecorp and South Central Communications did, maybe you, too, can turn your UHF station in for a V the way they did in Knoxville. The result is WKXI-TV, the CBS affiliate now on Channel 8, and conversion of Knoxville from a two VHF-two UHF market to one with three Vs and one U.

"Earl R. Taylor, WKXI sales manager and program director, explains that Knoxville is one of only four VHF drop-in markets the FCC authorized back in 1981, 'and the situation has been in litigation ever since,' sorting things out from among 13 applicants for the then newly available Channel 8. One of the 13 applicants was South Central Communications, owner of WTVK-TV Channel 26, which had been Knoxville's CBS carrier. Another was Taylor's group, Tennessee Telecorp.

"After six years, Tennessee Telecorp finally got the nod, based on such FCC criteria as diversification (Tennessee owned no other TV, radio station or newspapers in the market), integration of ownership and management (Taylor and his colleagues are working full time for WKXI), a commitment to local broadcast news, and a letter of credit showing sufficient financial backing to operate the station.

"But even the initial decision by an administrative law judge awarding Channel 8 to Tennessee Telecorp wasn't the end of it—only the beginning of the end. South Central appealed. Then, says Taylor, almost two years was spent arranging a settlement. This involved the merger of Tennessee Telecorp with South Central and paying off the other remaining applicants 'to compensate them for out-of-pocket expenses' incurred in contesting the winning applicants.

"Finally in early December, Channel 8 hit the air, Channel 26 bowed out, and its license was turned back to the FCC for another round of grinding litigation concerned with regranting of the license. Now Taylor says, 'Our new Channel 8 signal will be second to none in our service area. Our new VHF signal, combined with 316,000 vertical watts and 316,000 horizontal watts of transmission power means more homes than ever before will get clear, sharp reception.'"

DAVID MOODY (West Portsmouth OH) (Remember that he works at WPBO-42, which shares facilities with WUXA-30) writes in a letter (somewhat edited and shortened) dated 1/18, "WUXA-TV 30 has stopped broadcasting as of January 2. The end began on December 29th. A man from central Florida came to the TV 42 and 30 complex at about 3 p.m. He told the people at TV30 he

had purchased the transmitter from MEYCOM INC. and was taking it back to Florida. At this time my boss ... informed the OHIO STATE UNIVERSITY of the situation, they told him not to let the transmitter out of the building. My boss told the man he could not take anything from the building. The man ... told my boss he was taking the transmitter with or without his permission.

"At this time my boss called the sheriff. The deputy sheriff arrived shortly and listened to each side of the argument. The deputy decided from the paper work to let the Florida man take the transmitter. My boss informed Ohio State of the outcome. They said they would turn the matter over to the lawyer. My boss told the channel 30 personnel that at the end of the day the door to their master control and transmitter would be padlocked and would not be reopened until further notice.

"At the end of the day my boss called and said not to padlock the room. Also two channel 30 employees stayed the night to insure we did not lock them out. On December 30 at midnight my boss and I were on duty. At this time the night operator at channel 30 went home for the night. My boss said nothing had changed and since the building was vacant of people, he was going to padlock all the doors with OSU padlocks.

"On the morning of December 31 ... WPBO engineer was informed by the University to let the WUXA personnel in. Things went fairly smooth for the next few days. Then at the end of January 2 the transmitter was shut down for the last time. The next morning the doors were padlocked.

"On January 4 ... the power to channel 30's TX room was shut off due to failure to pay its bill of about \$7000. Rent is owed to the University of about \$12,000. Several other merchants have come around and telephoned asking about payment of bills for WUXA.

"I talked to the master control operator for WUXA. He said the general manager is still looking for someone to buy WUXA."

On another subject, Dave writes, "On January 9 a new channel 21, Trinity Broadcasting Network, put on a low power television station, taking the feed from satellite." And lastly, "If anyone has any questions about AM, FM or TV broadcasting in Portsmouth, Ohio area feel free to write ... David Moody, 2909 Euclid Avenue, West Portsmouth, Ohio 45662."

First time reporter **JAMES NAHRNIK** (Warren MI) reports, "Global Channel 22 Cottam Ont. is back on the air (I first noticed it here 1-11-89). Signal here in Warren, just north of the Detroit City limits, is much weaker than they were a few years ago when the Global stations first went on the air. Back then you could get a decent picture with a loop antenna on the back of the set.... In those days they would black out American programs on both 22-Cottam and 29-Oil Springs/Sarnia, since the Detroit stations had rights to the shows. They would run a simple visual message telling when they would be back on. 29-Oil Springs/Sarnia no longer does this, and it could be that the weak signal on 22-Cottam will allow them to avoid blackouts."

"I finally talked to someone ... about WADL-38 Mt. Clemens MI. They will begin broadcasting in February, and confirmed 5 million watts. He wouldn't be specific about programming. When I asked if they would be all home shopping, he didn't say no, but said there would be 'a mix of programs, a little of everything.' Oh boy! What do you think, home shopping plus an occasional

interview program and public domain movie?" (Do you have some reason for suspecting a shopping program? New stations don't often divulge their programming plans because they need a head start in bidding for them if they are to compete with already established stations.)

"Their transmitter and studios are located at 22590 Fifteen Mile Road, Clinton Township (mailing address is Mt. Clemens MI 48043) Phone 313-790-3838. That is 3 miles due south of downtown Mt. Clemens, about 18 miles ENE of the other Detroit TV stations (virtually nobody's TV antennas will be aimed correctly), and about 2 miles from Lake St. Clair and Canada."

RON PURDUE (Byron MN) updates the television situation in his area: "On March 1, 1989, the new Minnesota Independent TV network will go into operation. The flagship station will be KTMA-23 in Minneapolis (soon will get new call letters) along with KXLT-47 in Rochester, KXLI-41 in St. Cloud, MN, and along with Red River Broadcasting.

"KXLI and KXLT are currently off the air since Dec. 9th to prepare to join MIN. KXLI xmttr will be moved from Big Lake, MN to near Sauk Centre, MN and will return to the air by Fall, 1989."

"The second item is about WLAX-TV channel 25 in LaCrosse, WI. On January 14, 1989, WLAX will become a new affiliate of the Fox network. I have seen the announcement today on the station. Still no sign of WEUX-48 in Chippewa Falls, WI since KXLT is temporary off the air."

Also in Wisconsin is **MICHAEL PARKS** (Amery WI), who gives a different picture of KXLI: "On December 14, KXLI announced that at the end of that broadcast day their operations would be suspended. It was so sudden that even the employees didn't know about it until they reported for work that day. KXLI's owner, L.E.O. Broadcasting., is merging with KTMA Acquisition Corp., which owns KTMA-23, Minneapolis, and the Red River Broadcast Corp., which owns KVRN-15, Fargo, its satellites and several LPTV's." Except for that fact that the stations are no longer owned by L.E.O. or Mr. Goins, but rather by Halcomm Inc., there is very likely truth to the rest of his report. Going back to the article from John Ebeling last month, I now see that Wednesday, Dec. 14, the day KXLI shut down, was the same day the press conference announced the new network of independents.

"Apparently KVRN and its satellites are not going to be included in the network, only Red River's LPTV stations in Bemidji, Grand Rapids, Brainerd and St. James. I show Red River as owning K26AC, Bemidji, both K18AI and a CP for K14AW, Grand Rapids, and K54AT, Brainerd, but don't know what station they could be talking about in St. James." (Must be an LPTV, since there is no application for ch. 32; the application by Hubbard Broadcasting was dismissed by the FCC. Did they take over K42AV?) "They also propose leasing translators in Alexandria and Donnelly, building LPTV's in Austin and Park Rapids (where Red River already has a CP for K051V) and moving KXLI's transmitter to Sauk Centre which requires moving to channel 19 to avoid short-spacing to KSAK-42. They want to move KXLI to Sauk Centre to eliminate the considerable overlap between KXLI and KTMA-TV's

coverage areas, but it seems to me that in changing to channel 19 they are asking for trouble as they'll be opening the door to competing applications." (That might be a risk, but runs of competing applications are usually the result of either creating a new channel assignment, or scrambling for the last available vacant channel in a city. Neither is the case here, since 41 will replace 19 as the vacant channel. Remember that this channel had been vacant for several decades.) K1986, a TBN station in St. Cloud whose existence is threatened by the change, will either have to apply for the channel themselves or change channels and, given TBN's aggressiveness, I don't see them just giving up and going dark." (I think TBN has reached its limit of full-service commercial broadcast stations, and will probably switch to another channel.) "I also wonder if they'll be able to provide city grade coverage to St. Cloud from Sauk Centre. They hope to have the two new LPTV's and KXLI's new facilities built and on line by this fall with KXLT and the other stations relaying KTMA-TV as soon as March 1st. They seem certain they'll get FCC approval for all this, but even if they don't, KXLI won't be back."

Other areas of comment by Michael: "After testing for four months, K13UT, Minneapolis, had their first official broadcast day on October 10 and an article about it in the Star Tribune had some 'facts' we DX'ers apparently didn't know; LPTV stations have signals as strong as full-power stations, but they don't travel as far, nor do they have call letters! Not only does K13UT indeed have call letters, but the last time I saw them they were actually using them. Their ID slide, which is usually shown at sporadic times rather than on the hour, also identifies four other Channel America affiliates that supposedly went on line the same day: K07TV, St. Louis, W14AE and W18AL, Syracuse, NY (two in the same city? W18AL is listed as 21.17 kW at 330° AG), and W55AT, Huntington, WV. Channel America is a new network designed primarily for LPTV stations whose programming consists mainly of vintage movies, quiz, game and fashion shows, and a very heavy diet of 30 and 60 minute commercials. About 130 more low-power stations are scheduled to begin carrying the network's 24-hour schedule by the end of June. The network claims to be highly responsive to viewers and solicits letters expressing suggestions for programming. Maybe we should all request a DX'ing quiz show."

"As if all the home shopping programs barging their way into your home through your TV weren't enough, local TV stations are now running an ad for the Telephone Value Network. You get to pay \$2 the first minute and 45 cents each additional minute for the privilege of listening to such rigmarole. I don't know how long they expect that to last. By the time you pay your phone bill, that \$300 gold necklace that you bought for \$100 is going to cost you \$600. What's next? NWS stations drop the weather in favor of the Rusty Antenna Value Network?" (Now that camcorders are within the grasp of households, I can see a revolution in yard sales. Picture a yard sale, with a television in the midst, running a videotape recording of a homemade

"yard sale club." About a year ago I ran a few ideas for TV marketing and asked for more suggestions, but none came. I think I suggested a gas pump channel at service stations, and a grocery channel at supermarkets.)

"Also I have further information concerning some of the items Ronald Purdue brought up in your December column. Regarding KITN-29 applying to the FCC for a channel 27 translator in Rochester: Ron may have gotten that from one of those unreliable newspaper articles. There is already a CP for that channel in Rochester; K27BQ was granted to CRJ, Inc. of Golden Valley, MN at least a year ago so KITV is probably trying to lease the station for use as a translator once it is built. If you think KITN calling themselves 'Minnesota's Super Station' is dishonest advertising, try KMSP-9. Within a week of KITN adopting the aforementioned slogan, KMSP-TV began adding 'The real superstation' to their promos and newspaper/TV Guide ads.

"Speaking of dishonest, for a station that plans to be Christian oriented, KVBM-45 is either deliberately trying to mislead the public or else they're very forgetful. They keep insisting they will be the Twin Cities' first full-power Christian TV station as if the actual first one, WFBT-29 (now KITN) never existed. The original KVBM-TV CP showed an antenna site in downtown Minneapolis, but they apparently never intended to use it. After being denied the Shoreview towers as a site, they tried for Oakdale, a relatively rural city east of St. Paul which would have placed them closer to here than the Shoreview towers, but they were denied that too. In your November column, you show KVBM-TV applying for a change to 94.8 kW at 863' AAT so I wonder if they finally found a site. What coordinates did they apply for this time? The 772.5' Norwest Center was just completed so maybe they're back to downtown Minneapolis." (The application called for the IDS Building, 44°58'34"/93°16'20". It's common practice for applicants to submit an application with temporary data, knowing that they have additional time to amend their applications before the FCC makes a decision on it.)

Also in November, you show WEUX-48, Chippewa Falls, WI, applying for a change to 398 kW at 1076' AAT. What coordinates is the new tower site at? I suspect they plan to build it closer to WQOW-18 or WHWC-28's site." (The proposed coordinates, 44°57'34"/91°40'02", put it within a few hundred feet of WQOW-18, about 15 miles west of Chippewa Falls, between Colfax and Albertville.) "Again I don't think they ever intended to build it where the original CP indicated. Family Group Limited, the grantees, seems to be pretty good at getting their CP's on the air, so chances are good that WEUX will be also.

"I agree with Ron concerning an independent station in Duluth. The only full-power CP left is KRBR-21 and it's beginning to look like they aren't going to make it as their CP is almost two years old and, as far as I know, they haven't even started construction. I also know of no one applying for channel 38 in Walker, MN. As for WVCX-43 in Tomeh, WI, wasn't that CP cancelled quite some time ago? I can no longer

find any official references to it." (I have no record yet of it being cancelled. Around 1983 the permit was taken over by Wisconsin Voice of Christian Youth, which operates WSCO-14 in Suring WI and WVCY-30 in Milwaukee. So evidently the station was given an extension.)

Still in Wisconsin. We came to **NATHANIEL ELY** (Madison WI), who sent in an article on LPTV station W05BD from the 1/5 *Wisconsin State Journal*. "Madison's newest television station, W5BD/Ch.5 (sic), went off the air this week after a disgruntled co-owner showed up, took his satellite dishes and went home. The station shut down Tuesday when Warren Cave, the station's co-owner from Sarasota, Fla., arrived in Madison to remove his equipment which included the two satellite dishes that transmitted the broadcasts, said Steve Olson, the station's manager. (I wonder if this is the same guy that took the WUXA-30 transmitter! -wbf) Olson said Cave took the equipment when negotiations between him and the station's other owner, Dan Dobrowolski, broke down. Olson said Dobrowolski planned to purchase the station from Cave. 'The station is inoperable without the equipment,' Olson said." "When Warren said he would take the equipment, Dobrowolski made the decision to start Channel 54," Olson said. The new station, WSSM/Ch.54 will go on the air sometime in February, Olson said. 'Right now, there is no Channel 5,' Olson said. 'There is a license to operate the station, but not enough equipment.' Ch. 5 began broadcasting in December, 1987. A low-power station, W5BD broadcast within a 20-mile radius of its station and transmitting tower at 6115 Odana Road, and on cable Ch. 25. Marilyn Friday, the station's program director, said much of the programming on Dobrowolski's new station, Ch.54, will be the same. The station plans to switch its current schedule, heavy on sports and movies, to Ch. 54. This changeover had earlier been described by management as part of a planned maintenance program which put the station off the air. The loss of equipment will not affect programming on the new Ch. 54, Friday said." Nate comments, "Why does Mr. Dobrowolski think he can get on the air this easily (or is the FCC so deregulated that they just pass out construction permits on request?)" (There is no channel 54 assignment, and I never heard of WSSM. Could he be talking about a cable channel? -wbf)

RON WING (Wichita KS) sent in a clipping from the 1/3 *Leoti Standard*. This is actually a letter to the editor from the chief engineer of KSWs, ch. 3, Lakin KS. It's an update on the construction of KSWs. "Time for an update on the Public Television for Southwest Kansas project. Since the last newsletter in October, the microwave equipment has all been installed; however an interference problem was discovered at the Belpre site where we begin to diplex with the existing KTVc (ch. 6, Ensign KS -wbf) microwave system. Our transmitter was interfering with their receiver, so we had to send our units back for retuning by Harris Corp." "We have noticed some other intermittent interference showing up at the Lakin site, but to date have been unable to find the source."

"Tower construction at the Lakin site was completed in October 30th." "The transmitter

equipment is approximately 60% installed." "As soon as we get everyone back after the Holidays, transmitter installation will resume. I estimate three weeks of work. Proof of Performance to take another one to two weeks. After that, the next major installation will be the remote control system, estimating three weeks for its installation." "As you may have noticed, this schedule puts us past the original February 1 date. With the remaining work in mind, I am now estimating a March 15th date of probable On-The-Air. Again, this is much dependent on the weather and somewhat to shipping schedules of the microwave units being returned."

Out to the west coast with JIM PIZZI (Paso Robles CA), who sent in a few newspaper articles. From the 12/31/88 *Telegram-Tribune*: "San Luis Obispo County will lose its only Spanish-language TV station January 20. Riklis Broadcasting, whose holdings include television stations nationwide, has agreed to pay 'in excess of \$1 million' to Sainte Limited for KOUF Channel 9 in San Luis Obispo and KOTA Channel 7 in Santa Maria, said John Huddy, president of Riklis Broadcasting. Among other things, the deal means that Spanish-language station KOTA will be replaced with English - language programming broadcast by Ricklis' Oxnard television station, KADY, Huddy said." "KOUF and KOTA's programming is scheduled to be replaced Jan. 20 by programming from KADY-TV, Huddy said. The new programming from KADY will include regional sports, public affairs, entertainment and national and local news. Huddy said the two stations will broadcast KADY's programming from 7 a.m. to 2 a.m. seven days a week."

The 1/6 *News-Press* reports on more stations that will carry KADY: "Santa Maria's Spanish-language television station, K07TA, is going to become part of the Central Coast's first independent 'super station' and drop most Spanish programming, station officials said Thursday. The station - on the air as Channel 7 in Santa Maria since Oct. 1, 1986 - is being sold by Sainte Ltd. in Modesto to Riklis Broadcasting in Beverly Hills for more than \$1 million, said John Huddy, president of KADY, a Riklis - owned independent station in Oxnard. K07TA and its unmanned transmitter station in Morro Bay, K09UF, will air the same programs that KADY transmits, and hopes to make the change on Jan. 20, Huddy said."

The 12/16/88 *Los Angeles Times* gives a review of the growth of Trinity Broadcasting Network: "When Phil and Jan Crouch started Trinity Broadcasting in Santa Ana in 1973, they had no idea that the then-tiny Christian network would someday stretch nationwide. But in the intervening 15 years it has done that and more. Today it is an international network, with stations in South Africa, the Caribbean, Europe and Central America."

"About two years ago we bought Johnny Carson's station in Albuquerque, Channel 23," Paul Crouch said. "I had never really known what the audience of Trinity was because we don't subscribe to Nielsen or Arbitron or any of the ratings services. We don't sell commercial time, so we don't really need to know what our audience is, but Carson had the whole library of

television ratings - wbf) over there, so I looked us up. I was shocked. It showed me that 20 million Americans watch at least one hour of Trinity Broadcasting Network a week. I knew we had a pretty good audience out there but I had no idea it was that size."

"TBN has 140 stations in the United States and 10 in foreign countries. With an additional 8% million cable subscribers in the United States, TBN has access to 'about 70% of U.S. households,' he added."

"Trinity produces about 85% of its programming. The other 15% is produced by various ministries and Christian organizations on a cost-sharing basis. All programming is supported by gifts, or donations, from viewers."

"What has Crouch most excited, however, is 'the way the foreign stations have opened up.' The first was on the Caribbean island of Nevis-St. Christopher. (A 10-million watt station. Crouch calls it 'the most powerful in the Western Hemisphere.') The 'big breakthrough' came in the Ciskei homeland of South Africa in 1986, Crouch said. Although Ciskei is considered by some to be a sovereign nation, the Republic of South Africa controls its airwaves. Despite its skepticism, the Republic of South Africa did issue a permit to build a 1-million watt station in Ciskei. Recently, South African President P.W. Botha authorized the South African Broadcasting Company to establish a complete Christian network where TBN will have an allotted portion of time, Crouch said."

"In June, TBN began a 15-minute-a-week broadcast on the single network in the People's Republic of China, where the signal reaches an estimated 600 million viewers."

Lastly is our only Canadian contributor for this month, J.J. ROSENBERG (Richmond Hill, Ont.) "I have recently QSL'd CKNV-2, Manitoba providing info which differs from the *TV Data Base*. The letterhead states 'CKND-2/Westman'. The ERP is 100 kw & EAHA 1300 ft. The transmitter is located 30 mi north of Brandon which puts it in the Minnedosa-Basswood area. The term 'Westman' must refer to Western Manitoba because an atlas shows no town of such name."

"I have also obtained a master list of stations from TVOntario including the mystery spotted by Dave Nieman (VUD Jan/89). Here are the newer repeaters on air:

LOCATION	CH	ERP	AIR DATE
Tobermory	49	50 watts	June 21/88
McArthur Mills	42	63.76 kw	Oct. 14/88
Cloyne	55	57.18 kw	Oct. 31/88

"McArthur Mills is 18 mi. east of Bancroft. Cloyne is 45 mi. SE of Bancroft, 55 mi. N of Deseronto

NEW STATION TARGET DATES:

Hawkesbury	48	6.65 kw	Mar. 1/89
Kenora	44	58.21 kw	summer/89
La Chaine Francais (TVO French)			
Hawkesbury	39	6.65 kw	Mar. 1/89
Sudbury	25	164.4 kw	spring/89

"There are 188 TVOntario LPRT's with xmtr of 5-20 watts in Northern Ont., maintained by TVO crews working out of Sudbury or Thunder Bay. Approx. 30 are on Indian reservations."

"Some ERP's on the TVO master list differ from the 'Data Base' e.g. Ottawa - 879 kw."

"Question: If ch.26 Jamestown came on air in Sept, why haven't any of the Buffalo boys reported it?"



FM NEWS

Bruce F. Elving, Ph.D., Editor
241 Anderson Road
Esko MN 55733-9413

Contributions welcome!

Readers' Reports—A VUD Exclusive!

An OR would-be DXer says "thank you for the latest FM Atlas. See the enclosed 'Oregonian' article. KYTE had a short AM-FM simulcast, then it became on 101.1 'Portland's Own The City FM,' with mor vocal-jazzy music (my effort to name it), with call changed to KKCY. The classical has usurped AM 970, KYTE. "I like classical and I do not like the reduced reception and fidelity of AM. Other news: KUHT-TV channel 32 is about to commence test pattern and programming (Family-Christian), 5 megawatts ERP, Salem and Portland coverage, Salem studios."

"WOKC-FM 103.1 Okeechobee FL is no longer monophonic—they are now in stereo. The new WCWB 101.7 Trenton FL is k, and stereo. The latest ratings were released. WLYF #1 in Miami and WEAT #1 in West Palm Beach. I don't know if you saw it but NBC Today Show weatherman Willard Scott was broadcasting from West Palm Beach when he was plowed over by two guys trying to win \$1,000 in a contest on 95.5 WOVB. The object: show a sticker on national TV."

European member but frequent traveler to the U. S. Dr. Ulrich Onken, presented several corrections to the "FM Atlas," most of which had been reported on in earlier months. "In your column in the VUD you printed my comments on the FM performance of two Sony portables, the ICF-2002 and the ICF-2010. I have modified both receivers in order to improve their selectivity on FM. I replaced the two ceramic filters in the FM-IF section with the type SFE 10.7 MS3 with a specified bandwidth of 180 kHz. For comparison, the original filters used by Sony (SFE 10.7 MA) have a bandwidth of 280 kHz."

"I also tried the narrow-selectivity type SFE 10.7 MJ, but audio quality suffered too much with this filter. Unless somebody wants to use his Sony set for SCA services, I can definitely recommend the modification. Adjacent channel selectivity is much better than with the original filters and signals on alternate channels do not affect reception at all. Anyone who wants to try the modification should have some experience in soldering, especially when working on the ICF-2002. The filters mentioned are manufactured by Murata, Inc., and may be obtained through shortwave radio outlets. The modification does not improve the ability of the Sony portables to cope with strong signals; both sets' performance is suffering from overloading by local stations. This problem appears to be much less severe in Germany, because FM transmitter sites are usually located outside the major population centers and thus do not cause trouble."

Bill Dumlague, who works at CFMX and CFMX-1 in Canada says: "Received your new catalog last week. A lot of interesting stuff! You may receive some orders from me later in the year. CFMX is applying for a power increase in Mississauga, as our signal there is not great. I don't think we've officially applied yet. With the Cobourg tower, we now have our antennas up—we're just awaiting final approval before we switch to the new tower. In other FM news: I have finally heard WFRW 88.1 Webster NY. I have heard a WMHR station (Mars Hill Network) on 90.3, obviously in the Rochester-Buffalo area—do you know the calls and location?" [Most likely it's WJSL Houghton NY—b.e.]

"Thirteen-ninety appears to be occupied in Syracuse again—this time simulcasting with 'Kix-FM', WKFM in Fulton NY. I don't know if they're officially on or just testing. I heard them yesterday, but not today, and the signal isn't as strong as when WFBL held the frequency."

Paul Gaines sent a Detroit Free Press radio column, in which a writer speculates if WJOI 97.1 dumps its b format, then CKMR 93.9 Windsor should pick it up. "It would be easy to sell them to advertisers, along with big band sister station, CKLW AM." Here's Kelly Miner, 17, news director and disc jockey on WSHJ (FM) Southfield MI high school's station at 88.3.

WEVD on FM is now history, as it's been displaced by WSKQ-FM. Bill Nienjadny heard the last of WEVD FM, having moved to 1050 AM. "Scott Shannon's last time on Z-100 NYC is today, Friday 1-27-89." He goes to Los Angeles, causing Bill to wonder if Z-100's ratings will go down now? Brian Wilson will join the Z-100 morning show after Shannon leaves. Wilson used to be a part of the Ross (Ross Billian) and Wilson crew on WABC nine years ago. "...WCWP '88.1 Brookville NY slogan 'Long Island's only talk radio station.' Good DXing!" WPLJ 95.5 has a

special phone # to call for listener suggestions "for a better radio station. WNEW-FM 102.7 sound quality excellent! Better than WXXR, which has an uneven sound quality. Best sound quality for pirate radio is 'KPRC' 91.5 (Brooklyn, I think). Signal weak. ... WEBC ('The Hits of a whole generation, Wee Bee 108 FM') 107.9 CT was off for quite a while, mentioning later



Kelly Miner, 17, on WSHJ

transmitter and antenna problems. Picked up some decent DX while they were off. WHUD 100.7 Peekskill and WCBS-FM 101.1 New York city both use Ed Baer as a d-j. This is the only place where I have ever heard two stations near each other on the dial in roughly the same area to use the same d-j/announcer! But Ed Baer's mainstay is WHUD. WHUD, of course, is 'B.' Bill suggested I use both km and miles in the next edition FM Atlas. I cannot do that because space is at a premium, and I am committed to the metric system, and do not encourage readers to convert. Just use the data as given, and there will be no confusion! He also sent several revised program format codes, some of which would take up to three characters to list (e.g., MOD=modern/new wave, XVR=crossover, VAR=variety, URB=urban contemporary, etc.). I still like the present way, which permits the use of only one letter or as many as two letters to describe a station with two different formats, or one that may have a hybrid, incorporating elements of two main formats. Howard Stern is on local radio five days a week not four, as I said in the January column. "WMSC 101.5 Montclair (not 'Upper Montclair', or has 'Upper Montclair' become part of Montclair? My newest NJ road atlas no longer shows an 'Upper Montclair'—b.e.) still leaves its carrier on even for days at a time when they are not broadcasting!"

Bill then goes on to propose a way to save AM ("antique modulation"). "Get rid of AM the way it is totally. One only stereo system! My proposed changes: Class 1) 10,000 watts 540-900 kHz; Class 2) 5000 watts 910-1200 kHz; Class 3) 2500 watts 1210-1400 kHz; Class 4) 1000 watts 1410-1800 kHz," with certain distance separations specified. "No directional antennas, 24 hour operations, no lower night power. Translators only allowed up to 50 watts 1410-1800 kHz. Relaxed programming requirements for 1000-watts, 2500 watts permitted to rebroadcast FM out of market area; 5000 watts and 10,000 watts for larger cities. By dividing up frequencies with powers, everything should be more orderly. All stations will be staggered and allocated like FM is, so wherever you travel, even at night, things should sound much better. Sixteen hundred to 1800 kHz should be reserved for noncommercial broadcasting college band. What do you think?" [It won't work—too radical, unless a plan like this is allowed to come about after almost the last AM station has been deleted.]

"May I assume no one I ded Barry Goldwater's picture as the 'mystery' DXer—ham?" writes Gus Mancuso. "DX radio program on 1-7-89 turned out to be mostly a shortwave discussion—is anyone surprised? Host said show is biannual, not yearly. Hope time for summer show is listed. How come you published details of Phila. (I guess—can't read the writing here) oldies war last year, but not Baltimore information submitted by me?"

Alain Pepin "finally computerized and cross-indexed my cassettes by state, province and country. I have 386 stations on tape (many recorded several times) from New York state alone, 199 for Michigan (just examples)." The information has been

abstracted below in various places, mostly under formats and nonIDs. I would like him, or anybody else, to tell me if WSSV 101.3 Stillwater NY is stereo or not. And he says WKOL 97.7 Amsterdam now IDs with Albany, which I find hard to believe—an extreme rim-shotter! I wonder how well it comes in in Albany? B formats (beautiful music) seem to exist on WYRY 104.9 Hinsdale NH and WHGC 94.3 Bennington VT, which surprised me. Alain says "I will have an article in the April DX Messenger: a comparative test of headphones under water. Impractical I guess for WTFDA, since VHF disappears altogether one meter from the surface! See, there's an advantage of AM you might not have considered! Hi!"

Wendell Ford was one of the first to hear Fort Wayne's "new" station, WBVR 98.9 (Van Wert OH), "The Bear 98.9." They played "9,890 songs in a row!"

John Jefferson sent a KSOR Ashland translator map and translator data from the Metropolitan Opera station list, all of which he and I checked over for discrepancies with my main list. Jim Pizzi sent L. A. station ratings, showing KPWR 105.9 tops, followed by KJIS-FM 102.7, KOST 103.5, and KABC AM, which had been first, in fourth place. Groveling near the bottom are KJLH 102.3, KMPC AM, and KNAC FM 105.5.

Ken Onyschuk rejoined the WTFDA, and for a while he had no VUDs to look at. Carol ran off some photocopies for him of my column. We're glad he's back, and reading this column. Ken Simon sent lots of station news, including word of FL FM pirate activity (see scattered below). "Was in Coral Gables and drove back to West Palm Beach. WVJM 90.5 fades for good at downtown Miami, about 18 km. [Hurting them, Ken, is the fact that they don't have vertical—they're only horizontal polarized—b.e.] In Stuart FL 90.3 translator is as strong as the 89.3 signal from Boynton Beach. Oh yeah, WJOY 88.1 is almost a local here—just what I need. Where are the classical stations?" [I wonder if you don't mean WJIS 88.1 Bradenton?—b.e.]

Ralph Strobel heard on 98.7 by m-s a "K-Rock," and he wonders what station that might be. "What you stated regarding 90.7 WFUV is accurate in last month's FMedial. In the late '70s on m-s on 90.7 brought me, . . . in the Bronx, New York city, WFUV. . . (on the hour!). This was before Lima OH, WGLE, came on the air."

Joe Fela sends more about WEbe 107.9 Westport CT being off, saying they were off for about 11 days. Some of the time may have been on with low power, but he was unable to pick them up then. WEGX 106.1 Philly now No. 1 in ratings, with the help of its Eagle 106 mascot or non-ID.

"I think that the way I was quoted in the December VUD makes it unclear what the real problem with the Kenwood RZ-1 really is," writes Larry Weil. "The problem I reported is due to severe overload when anywhere within approximately 16 km of any broadcast transmitter. It is not due to any lack of sensitivity by the receiver, which is what someone reading that quote may have been led to believe. Perhaps you should print a clarification so that no one will be misled." He reported a good Es opening in early November. Larry sent an article on "KBC,"

on the SCA of WQXR-FM 96.3, the Korean Broadcasting Corp., which appeared in the "Daily News."

Northern Essex Community College, Lawrence MA, would like to convert its closed-circuit radio station to over the air radio. Article does not say, but I suspect they are eyeing an FM frequency, probably with Ed Perry's help. He's a consultant who has found several FM channels for student stations in the northeast. Finally, Larry sent a letter to the editor of the Toronto Globe and Mail saying the CBC lacks quality on its FM network, and how they seldom hear complete works by Bach or any other composer on the network. There's "an interminable bland mush of chit chat and jaunty allegro movements that has dominated CBC-FM's programming since 1977. . . After 10 years of increasingly trivial programming, CBC-FM is still reaching only three percent of the population and, more important, is now no longer a serious cultural force. Perhaps the time has come for the new government to examine whether there's any point in continuing to pay \$50-million a year for CBC-FM, when we can hear for free from stations like CFMX in Cobourg or KING-FM in Seattle the quality music programs that CBC-FM was originally set up to provide," writes Jon O'Grady, Vancouver.

Now on to the more "official" stuff, most of which ran last month in FMedial. Some of the below is new this month in the VUD, and look for the feature, "See Also," in which I point out FM news from the pages of last month's VUD.

New FM Station, Translator Grants

Selected translators only; others are in FMedial. AL Brentley WHTA 104.3 3000 h.v.; 100 m
AZ Sedona KSED 107.5 76300 h.v.; 446 m
AR Malvern 101.5 7000 h.v.; 97 m
CA Visalia 89.7 1000 h.v.; 247 m, g, Harvest Bcstg. Co. [ter of S. F. station
CA Walnut Creek KABL-FM 101.98 1.0 w boos-
CT Sharon WWRP 103.3 770 h.v.; 192 m
DE Laurel 95.3 3000 h.v.; 100 m
FL Marco 92.7 3000 h.v.; 100 m, Rowland Gulf Radio, in a settlement agreement that saw the winning party buy out six applicants for \$1 million—unique because Rowland was not one of the original applicants, but an outsider who came in and made a deal.
FL Ocala 89.1 1260 v, 120 m, vertical only; Marion Community Radio [Waynesboro]
GA Swainsboro W215AG 90.9 WYFA 100.3/
GA Valdosta 91.7 500 v, 72 m, vertical only; GA Public Telecom. [J. Noeh
IL Oregon 106.1 3000 h.v.; 100 m, Edward/
IL Polo WLLT 107.7 1350 h.v.; 145 m, to be b
KY Buffalo 101.5 3000 h.v.; 100 m, Larue County Bcstg. (moved out of nearby Elizabethtown to between Fort Knox and Hodgenville, p. 38 FMap, FM Atlas-11) [Dorion
LA Berwick 105.9 1800 h.v.; 123 m, Larry/
LA Breau Bridge 96.5 3000 h.v.; 100 m, JBC
MI Traverse City WJLN-FM 99.9 1000 h.v.; 141 m, g, Good News Media, Inc., A in nearby township
MN Albert Lea 96.1 3000 h.v.; 100 m, R. A. L.
MI Blackduck 98.3 3000 h.v.; 100 m, R. Paskvan
MS Bruce 94.5 3000 h.v.; 100 m, Kerry W. Hill
MO Cameron 92.3 3000 h.v.; 100 m
MO Mount Vernon 106.7 3000 h.v.; 100 m
MO Taos 99.9 3000 h.v.; -186 m [ence U.
NY Malone WLSO 90.9 200 h.v.; 101 m, St. Lawr./
NY Vestal 103.3 410 h.v.; 259 m
OH Troy 96.9 3000 h.v.; 100 m [Cleveland)
OH Warren W211AG 90.1 (WCRF 103.3/

OH West Carrollton 92.1 3000 h.v.; 100 m, initial decision, subject to reversal
OR Roseburg 91.5 2000 h.v.; 93 m, State of OR, Bd. of Ed. (K2198B 91.7 to change frequency or go off the air)

OR Sisters K212AS 90.3 (KLCC 89.7 Eugene)
OR Tri City KIRO-FM 104.3 5600 h.v.; 422 m
PA Salladburg (8 km NNE Jersey Shore); 95.5 3000 h.v.; 73 m

SC Abbeville 92.9 3000 h.v.; 100 m, Shelley Reid
TN Spring City 93.9 700 h.v.; 198 m
TX Big Lake KWGH-FM 103.9 3000 h.v.; 58 m, (resurrection of previous grant)

TX Caldwell 95.1 3000 h.v. 100 m
TX New Boston 103.5 3000 h.v.; 100 m
TX Waco K221DF 92.1 (KRXX 96.7 Martini)
UT Coalville 92.5 330 h.v.; 42 m, Guthrie
UT Manning 102.7 3000 h.v.; 100 m
WV Brookfield 106.9 3000 h.v.; 100 m
PR Lajas 103.7 50000 h.v.; 120 m, Ramon Rodriguez & Assoc.

PQ Riviere-du-Loup CION 103.7 60000 h.v.; 332 m, "Group IV" music format. "As a result, CIBM Ft. Riviere-du-Loup denied a change of its musical format from Group I to IV."

This grant revives former CION, which had been denied. Is "Group IV" rock?

CANADA AB-Rib-SK Low power FM stations, having coverage radii of 30 m, approved in various cities, from 88.1 through 107.9, for "pre-recorded announcements for retail messages, real estate marketing, public service and tourism announcements," and in any language requested. The CRTC is satisfied such very low power stations will have a "specific programming content, which will reach only very small audiences," and is different from the type of advertising carried by conventional radio stations.

TA Reynolds 90.1, 1, stereo, call letters and exact power (Class A) Not known

Call Letters Assigned

AZ Green Valley 92.1 KQVT (KFXH), b format
AR Harrison 102.9 KWNO (KHOF-FM)
CA San Francisco 102.1 KDCE-FM (KDFL)
CO Denver 103.5 KRFX (KOAD), r (classic hits), "The Fox" [has new calls]

GA Albany 96.3 WJIZ-FM (WJIZ-FM; A w/
GA Brunswick 102.7 WJOF-FM (WGIG); A is in New Boston OH, r, "N-101"

GA Hinesville 92.1 WXLG (WXLG)
GA Ringgold 101.9 WSGC

IL Arlington Heights 92.7 WCBR (WSEB), rm, calls are said to stand for "Chicago Bears Radio" [93.9, rm

IL Chicago 93.9 WLIT (WLAK), "Lite"/
IL Morrison 95.1 WZZT

IL Springfield 91.9 WSSU (J SSR)
IN New Carlisle 102.3 WUBU (WLPZ), r, "contemporary music is a likely choice. A mix of satellite-fed r.d. local programming will be offered." Sign on could be as early as April from studios at North Village Mall, South Bend. Watch to see if it has stereo.

IA Dubuque 102.3 KDFX (KXKX), r (classic rock), "Fox 102 FM" (not strict)

IA Le Mars 99.5 KKMA (KZZL)
KC DeCade City 93.9 KLLS (KLSB), [stereo]

KY Jeffersonville 101.7 WLSY (WJYL), rm, "Sunny 101.7," ID with Louisville

KY Shelbyville 101.3 WKCP
KY Winchester 100.1 WLFV (WFMI)

MA North Dartmouth 91.1 WSMU-FM (WUSM)

MA Sheffield 91.7 WBSL-FM (WBSL)
MI Portage 96.5 WLWJ

MS Jackson 95.5 WOHT (W Llin), new format—"Hot 95.5"

MS New Albany 106.7 (from 106.3) WYDZ (WTMX), 33100 h.v., 183 m

MO Rolla 94.3 KQMX (KCLL)
MT Great Falls 106.1 KQDI-FM (KQDZ-FM)

NE Lincoln 107.3 KEZZ (KLIN-FM), "EZ-107"

has calls not assigned)
 NM Santa Rosa 95.9 KHVY [changes
 NY Middletown 92.7 WK03(WKGL), ownership/
 NY Wurtsboro 97.3 WZAD
 NC Burgaw 99.9 WVBS-FM (WVBS-FM; AM
 has new calls) [Jams]
 NC Reidsville 102.1 WJMH (WJMH), s, "102/
 NC Tarboro 104.3 WAZO (WBTC)
 ND Grand Forks 94.7 KNOX-FM (KRRK)
 OH Archbold 95.9 WMTN-FM (WMTN); AM is in
 Morristown NJ [AM has new calls]
 PA Honesdale 95.3 WDNH-FM (WDNH-FM)/
 PA Philadelphia 95.7 WFLN-FM (WFLN-FM;
 AM has new calls)
 SC Goose Creek 94.3 WHTT-FM (WHTT-FM;
 AM has new calls)
 SC Surfside Beach 103.1 WYAK-FM (WYAK-
 FM; AM has new calls)
 TX Brady 95.3 KNEI-FM (KIXV)
 TX Clifton 103.3 KWOW
 TX Diboll 95.5 KAFK-FM (KAFX-FM; AM
 has new calls) [Jams]
 TX Dallas 100.3 KJMZ (KMEZ-FM), s, "100.3/
 TX Fort Worth 107.5 KMEZ-FM (KDLZ), b, not
 co-owned with KMEZ-AM Dallas
 TX Lubbock 94.5 KFMX-FM (KFMX-FM);
 AM retains KFMX calls
 UT Provo 94.9 KZHT (KKCY; before that
 KTUU), "Hot 94.9," pr, "a progressive/top
 40 mix" [AM has new calls]
 WI La Crosse 104.5 WLRX-FM (WLRX-FM)/
 WI Casper 94.5 KMGW (KRGD) [295 m
 WI Laramie 105.5 KIMX (KLWG), to 350h,v;
 BC Clearwater 102.9 CFJC-2, k, mono
 ON Owen Sound 106.5 C1XK (CFOS-FM),
 "K-106.5"—to move its transmitter 15 km
 NW, at the same site as CBCB "98."
 "Looking forward to FM Atlas '92." "I was glad
 to read (January FMedia) that a new edition
 of the 'Atlas' will be available 'by this spring'.
 I find it hard to believe you can make such
 rapid progress, but maybe you will... Your
 new [electronics] catalog arrived within two
 weeks, just as you said it would, and it seems
 better organized than your previous ones."

Facilities Clear Gets Granted

AL Decatur WRSR 96.9 308 m (100000 h,v)
 AL Montgomery WLB 98.1 100000 h,v; 164 m
 AL Fayetteville KUAF "91.3 87300 h,v; 347 m,
 Ja [1000 h,v; 150 m, C2
 AR Stars KMSL 100.0 (from 100.1) 50/-
 CA Big Bear City K218AX "91.5 has KEFR Le
 Grand, not KEAR 106.9 San Francisco on it
 CA El Centro KXO-F 107.5 25500 l,v; 48 m
 CA Fresno KFNO "90.3 1340 h,v; 574 m
 CA Johnstonsville K272AV 102.3 has KNIS 94.7
 Carson City NV on it, not KSUE-FM 93.3
 Susanville CA [100 m (3000 h,v)
 CA Lemoore KQYZ 104.9/ [h,v; 263 m
 CA Lompoc KRQK 100.3 (from 100.9) 3700/-
 CA 23 Palms (new) 107.7 91 m (3000 h,v)
 CA Ukiah KWNE 94.5 1920 h,v; 628 m
 CA Yosemite Valley K240CB 95.9 (from K276BX
 103.1) [m, no d-a
 CO Longmont KQKS 104.3 32400 h,v; 471/
 CT New Haven WBYC 94.3 3000 h,v; 69 m
 FL Leligh Acres WOOJ-FM 107.1 50000 h,v;
 150 m
 HI Kailua-Kona KLUA 93.5 40 watts h,v; 371 m
 IL Moscow KZFM 106.1 62000 h,v; 281 m
 IL Pocatello KSEI-FM 102.5 316 m (100 kw)
 IL Freeport 102.2AD "88.3 has WJDM-FM 89.3
 East Jolins, not WMCJ-FM 90.1 Chicago
 IL Rockton WRWC 103.1 1500 h,v; 160 m,
 transmitter Rockford IL [v (107 m)
 KS Wichita KSOF "91.1 100000 h,v, (1305 m)
 LA New Orleans WQUE-FM 93.3 1000 10 h,v/
 MD Frostburg WFFM "91.5 (from 91.7) 434 m
 (170 h,v)
 MA Boston WBS "88.9. Funding for parent
 Emerson College to move by fall, 1992, to a
 campus in Lawrence approved by voters, 2-1.
 "I doubt that they can move the JERS
 transmitter any farther north unless they can

be assigned to a different frequency. They are
 on an adjacent frequency to WEVO 89.1
 Concord NH."

MO Lexington KCFM 107.3 361 m (100000 h,v)
 MO St. Louis KYKY 98.1 313 m (100000 h,v)
 NV Henderson KWNR 95.5 92000 h,v; 366 m
 NV Incline Village KLKT 100.1 760 h,v; 901 m
 NV N. Las Vegas KJUL 104.3 360 m (100000
 h,v)
 NY Buffalo WGR-FM 15500 h,v (271 m)
 NY Saranac Lake WDOE 101.7 220u h,v; 118 m
 NC Edenton WBBX 100.1 20000 h,v; 89 m, C2
 OH Ashland W216AH "91.1 (from 91.7)
 OH Carlwell WNOV 104.9 100 m (3000 h,v)
 OH Fredericktown WJMR 98.3 1800 h,v; 129 m
 OH New Paris (from Richmond IN) WVXR, ID
 with Richmond IN; programming same as
 WVXU 91.7 Cincinnati OH. "WVXR's tower
 is in Ohio anyway." Now in stereo, but
 sometimes with distorted sound, probably
 from poor pickup of the primary. "The
 Richmond translator which used to be on
 89.5 moved back to 89.9."
 OK Altus KEYB 107.9 100 m (3000 h,v)
 OK Elk City KTJ 98.5 332 m (100000 h,v)
 SD Sioux Falls KKLX-FM 104.7 216 m (100000
 h,v)
 TX Austin KMFA "89.5 65400 h,v; 279 m, C1
 TX Bastrop KSSR 107.1 45500 h,v; 150 m, C2
 TX Bridgeport KBTT "90.5 40000 h,v (112 m)
 TX Burnet KHLB-FM 106.9 (from 107.1) 2000
 h,v; 112 m
 TX Harker Heights KIXS 105.5 930 h,v; 179 m
 TX La Grange KBUK 104.9 100 m (3000 h,v)
 UT Centerville KCGL 105.7 286 m at a new,
 unannounced power, C1 [h,v; 227 m
 VA Appamattox WZST 102.7 22203/ [adding v
 VA Ferrum WFFC "89.9 100h,v; 12.3 m/
 WA Seattle KNHC "89.5 30000 h, 2500" v, 92 m
 WA Yakima KRSE 105.7 (from 98.3) 100000
 h,v; 237 m, C1
 WI La Crosse W224AR 92.7 (from 97.7)
 WI Laramie KUWR "91.9 100000 h,v; 348 m
 BC Williams Lake CFFM 97.5 460 h,v (125 m,
 d-a)
 PQ Ferment CKAC-1 98.1 (not 92.1)

Stereo, or to Be Stereo

AL Evergreen WEGN 93.5, k (from rock)
 AL Greenville WKXN 95.9
 AK Anchorage KYMG 98.9 m, "98.9 Magic."
 KENI-FM 100.5, "Magic 100 FM," is also rm.
 AK Kake K296CX "107.1 only KCAW Sitka
 translator with stereo; others get the signal via
 satellite, and like other AK public stations on
 the bird, are allocated only one channel each,
 making \$ impossible; bandwidth too narrow
 to permit matrixed stereo off the satellite.
 Uplink temporarily fed by low-fi 3.5 kHz
 telephone line from studio.
 CA Crescent North KPDD-FM 97.9 is stereo.
 "That's what FM is all about."
 CA King City KRKC-FM 102.1, r. "Very strong
 here, even on portables. On every day with
 hourly ID and 'this is a test transmission'.
 IN Crown Point WWJY 103.9 back in stereo
 IN La Porte WCOE 96.7, went to mid-October,
 now 24 hours a day, with overnight truckers
 show. "So WEFM 95.9 Michigan City is no
 longer La Porte County's only stereo station."
 MI Grand Rapids WHP "89.9, and "the audio is
 clean, too—no more 'tinny phone-line'
 quality." On 10 a. m. to 2 a. m.; still k[un]try
 days, "variety by evening and nights."
 MN A. t.arter KYRS 94.1, various format, 67 kHz
 T. SCS, and "went 24 hours on 1-4-89."
 MI Little Falls KFLL 94.1, rm (music from the
 '60s, '70s and '80s), "FM-94" (strict), no SCS
 MO Kansas City KLJC "88.5, now operating
 temporarily near the intersection of I-70 and
 I-435 with 150 h,v; 111 m, but last month
 was to have gone "to 6000 h,v; 223 m, add
 stereo, and be directional with a null at 110
 degrees to protect Channel 6 at Cedrala MO."

OK Perry KJFK 105.1
 OK Sanco Springs KTOW-FM 102.3
 VA Franklin WLDM-FM 101.7
 Monophonic
 OH Dayton WDPS "88.5, still 200 watts, while
 share-time WDPR gets 6000 watts

Format Changes

Formats are the same as in the "FM Atlas"
 AL Birmingham WZRR 99.5, r. "classic rock"
 AZ Tucson KJYK 94.9 m, "adult contemporary"
 CA San Rafael KSRH "88.1 r, "classical
 mornings, student-operated rock afternoons;
 off evenings and weekends." Monophonic.
 FL Jacksonville WEJZ 96.1 m, "Lite 96.1"
 GA Atlanta WZGC 92.9 r, "classic rock with a
 minimum of talking," still "Z-93"
 GA Gainesville WFOX 97.1 oldies (still r)
 GA Smyrna WQXI-FM 94.1 r, having dropped
 nightly jazz.
 HI Hilo KHII 92.7 m, "Breeze"
 IL Winnetka WNTW "88.1 p, mono
 IN Fort Wayne WJEE 97.3 r, top 40
 IN Greensburg WROZ 107.3 mr
 IN Paoli WUHE 95.3 m, same format as WZDM
 Vincennes. "Bird-fied."
 IN Shelbyville WENS 97.1 m
 IN Terre Haute WNGI 100.7 mr
 IN Vincennes WZDM 92.1 m, "Wisdom 92.1"
 IA Dyersville KDST 99.3 m, "adult contemporary,"
 on 24 hours. Non-ID: "Star Station
 99.3," in stereo. Legal ID often just "99.3
 Dyersville." They "forget to use call letters."
 KY Hazard WSGS 101.1 k, still mono, "am
 listening now, preaching services (they seem
 to broadcast mostly Pentecostal preaching)."
 LA Minden KASO-FM 93.5 k (country)
 LA *oreauville KIL 92.1 r (oldies)
 LA Springfield KTKC-FM 92.7 k
 LA Prince KISY 98.3 (oldies)
 *D Tioiga Frederick WJMS 92.7 mr
 MA Boston WJIB 95.9 m, "today's easy listening,"
 vocals, light jazz and New Age music
 MS Yazoo City WJMS 92.1 m, "Breeze"
 NV Reno KSNV 101.7 m, "ad con," and
 "X-102," stripping away "Sexy Radio"—but
 not known if this station has stereo!
 NV Sparks KROI 100.9 mj, "new age satellite-
 fed," and "100.9 The Wave" (strict)
 NJ Hinsdale WYRY 104.9 b, "easy listening"
 NJ West Long Branch WMCX "88.9 p, "alterna-
 tive and progressive music," \$[tereo], now
 1000 v, 510 h, 11 m, and heard throughout a
 55-km area. "Eighty-eight point nine is
 awfully crowded here with WMCX/NXPN/
 WSIW/WNNJ."
 NM White Rock KKBZ 101.1 mj, PMID Breeze
 OH Edgewood WZOO-FM 102.5 r, CHR
 OK Marlow KFXI 92.1 k
 OR Coos Bay KTYT 98.7 g, talk programs in the
 AM "and contemporary Christian music"
 other times [still "Z-107"]
 PA Greensburg WSSZ 107.1 r, CR-F/
 P. Jersey Shore WYRS 97.7 m (not sr), mono
 PA Philadelphia WIOG 102.1 r, "Q-102"
 TX Bowie KJTF-FM 101.7 k, \$[tereo]
 TX Lompas KLTJ 99.1 r (oldies), "Kool 99."
 TX Paris KTXU 107.7 k
 VT Bennington WHGC 94.3 b, "Stereo 94"
 WATacoma KBRU 103.7 m, "AC-easy listening;"
 ON London CFTL-FM 95.9 p, "FM-96" (strict)
 PQ Magog CIMO 106.1 still sr, CRCT denied
 move of studio to Sherbrooke, with a
 338-signature petition opposing the move
 SK Swift Current CIMG 94.1 m, "AC days, CHR
 nights," still "Magic 94" (strict)
 On Air (corrected)
 CA Hayward KCRH "89.9 (Chalot College),
 "Easy new age," but "what a station! Low
 power and tower, coverage area measurable in
 meters, stuck between two modern rockers
 (KJFK/KZSU) and on same frequency as big
 coverage KDCS." [92.7], "same format"
 CA Lompoc KBX 104.1 (having moved from/

FL Miami WDNA *88.9 "back on air with English and Creole Dec. 3, saying they were off due to cash problems," monophonic
ME Gorham WMPG *90.9 now on with 1000 w, 110 watts h, 71 m. "Overnight, the quality of life in southern Maine radically improved. At long last—a respectable alternative radio station for Portland! . . . If particular note on WMPG is 'Dad's New Slacks', a show assembled by Michaels Pajak and Townsend, on Fridays from 9 p. m. to midnight. This surrealistic, stream-of-consciousness collage of music old and



RADIO WORTH WATCHING

frivolous and profound, is a mind-expanding repast. . . Tune in and feed your head." In reading the Feb. FMEdial I "ran across mention of WMPG 90.9 now on with increased power. It immediately turned on receiver, and sure enough, there they were. I hope they go off soon. Ninety point nine is W3UR in Boston and I can no longer get them, so improved FM isn't! Also, with antenna pointed north, before WMPG I had no trouble listening to WMEH in Bangor, or with antenna 180° and rotated south there was WBUR. Now, neither. Gained one, lost two. WMPG playing steady mild rock. I won't be listening after this trial. As far as I am concerned FM can go along with AM. Only AM station I listen to at all is WQXR on 1560 and CBJ Chocoutini on 1580. Rest of AM is a mess. AM I the only one feeling this way? I won't listen to rock or talk, and that's all there is. I sometimes just dial AM from 540 kc to 1610 kc at night and there are less than 10 clear stations. All the rest are simply riding along over each other with nothing clear coming through."

MI Zeeland WXYB *89.3, \$, g, "simulcast 100% with WGNR 88.9 Grand Rapids. WXYB Zeeland and WGNR Grand Rapids" is the legal ID. Local studios are in Zeeland, with 2-3 hours per day locally originated; otherwise, it's the Moody satellite network. . . more religious hogging of the airwaves."
NJ Princeton Junction WJPH *107.9. "Their 17 watts doesn't get out too well. Technically, the station sounded bad [with some] high school kid doing an even worse job trying to play it."

OK Chickasha K202BD *98.3 [95.9], S
TX Childress KSRI/96.1 (having moved from/

Off The Air—Not Yet On

CA Corcoran KLCZ 102.3
CA Kerman KTAZ 94.3 (KAM3 translator in Fresno, K232AY, is still on the air)
CA Mountain View KSPH *90.5, on-and-off, maintaining a very irregular schedule
CA Philo KZYX *90.7, but hoping to be on in Feb.
CA San Jose KLEL *89.9. Offer when tuned in during a weekday while reporter in area
CA Walnut Creek KCEO *100.5 during weekday when "within 30 feet of KCEO's tower and got a perfectly useful signal from KQPT 100.5 Sacramento."
GA Columbus W244AJ 96.7
IN Bloomfield WBHQ 101.1 (put in proper sequence, after Bedford, p. 105 FM Atlas-11)
IN Columbia City WZQR 106.3
IN Kentland WPNI 101.7
IN Michigan City WFAJ *89.5
KY Louisville WFPL *89.3 "temporarily broadcasting with 60000 watts of ERP," with no

claim of their authorized power of 100000w
NJ Franklin Lakes WRRH *88.7, "not heard for a long time—at least five years." Still licensed, hoping for a facilities' increase, which is probably made more difficult for them because of WPSC *88.7 Wayne NJ. WRRH *88.7 Hempstead NY "says they complained to the FCC about WPSC."
OH McConnesville WTLB 100.9. One of my correspondents thinks this station may be deleted.
WA Spokane KVXD 103.9, but "temporary"
BC Victoria CFUV 101.9 (still on 105.1). "CITR 101.9 Vancouver hasn't implemented its power increase."
ON Toronto CIBC-FM *90.3 heard testing recently, using only an exciter and a diplexer, parallel to 880 AM. Expects full power operation and stereo by June, 1989.

Deletions

CA Copperopolis KZDO 105.5. "CP forfeited and call sign deleted"
CA Villa Grande K215AK *90.9
OH Warren W219AI *91.7 (shown as 91.9 on OH map, FM Atlas-11, p. 41), because of WYFR *91.7 Youngstown OH coming on. Most likely, primary for W220AD *91.9 North Canton OH will change to WYTN (from WFRJ 88.9 Johnstown PA)
TX Santa Fe KJIB *90.5. "Denied reinstatement of expired permit."

SC Services, 57, 67, 78, 67 92 kHz

Selected only; more are in FMEdial
AK Kenai KCTA *91.9 T 67 kHz, SCA "coming soon." Station on air with Stereo and same programming as KSKA *91.1 Anchorage CA Livermore K101 101.7 (Mutual network relay), 67 kHz [also TM, 67]
CA Sacramento KCTC 96.1 T 92 kHz, KROY 96.9 T 92 (in addition to TM, 67)
KQPT 100.5 no 67 (head +M), adds T, S
CA San Francisco KDCE 102.1 no SCA (head T, S)
KEAR *106.9 T X data, 92 (in addition to/ CA Stockton KSTN-FM 107.3 T, 92 (in addition to TM, 67), main carrier still on no CA Visalia KFSD 92.9 T, "studio-transmitter link for KHTZ 1400 Visalia; both studios are in Fresno now, but their AM transmitter is still down in Visalia. As you'd guess, the KHTZ audio is bad news." Replaces T, ethnic, 67 kHz
IL Springfield WNNS 98.7 T M, 67. "We're thinking of adding foreground I music at 92 kHz." [and data
WDBR 103.7 T, K, IL Farm Bureau voice/ MN Faribault KQCL 95.9 T, "basketball on 67 kHz on 1-4-89; otherwise, has been quiet." Main carrier now "Cool 96" strict non-ID heard between every I song [67]
MN Minneapolis K2EM *88.5 no SCA (head T, X), MN New Ulm KXLP 93.1 no SCA (head T, X), MN St. Cloud WJJC 98.1 T, S. "Hao T. Cloud Huskies basketball on SCA. Sounded as though it was main 'network' feed, as no commercials or station breaks given (just open mike). Asked for a Dick Nelson to make phone call during one minute pause for station break. Interesting use of an SCA!"
NC Asheville WCQS *88.1 T, S; same service also heard on WCQS' translators
NC Charlotte WFAE *90.7 T (talking book for the blind) moves from 67 to 92 kHz
NC Spindale WNCW *88.7 to have T, 67; station to be atop Mount Mitchell with d-a to the south and west, serving different areas from WCQS Asheville.
PA Jersey Shore WJSA-FM 93.5 using 67 kHz only for occasional telemetry, but "we would like to use it for reading to the blind. . . We are also thinking of going stereo." Format g,

"but we are an unusual station, with both religion and small town sports at night."
TN Knoxville WUTK-FM *90.3 T, 67 kHz, relay to WUTK-AM, instead of using a conventional studio-to-transmitter link. WUTK is p, "hard rock, modulated at a high level, which probably makes the SCA feed to the AM less clear." WUTK will apply for 200 watts, which is the maximum the local Channel 6 TV station says they will tolerate.
VA Richmond WVMX 106.5 T, retained from the days when it was "WRFK," but as WVMX is a rock station, the bleedthrough to the SCA is awful. From April 6 to July 30, before WVRX began, 106.5 was a dead carrier with only WRFK identifications on the hour, and the SCA continued at 67 kHz. SCA is expected to change to WCVF-FM when WCVF-FM's frequency changes to 88.9 (from its temporary 101.1).

WI Milwaukee WLUM 102.1 no SCS (had TQ, Physicians Radio Network, 67)

FM mistakes, FM Atlas-11 and VUD

(selected)
AK Port Lyons K220AU *91.9 (not "K210AU"), FMA-11, p. 128
CA Yreka K232BH is on 94.3, not "99.3," FMA-11, p. 129

NonIDs, Not Just Slogans

CA Oakhurst KAOT 107.1 now mi, The Mountain Breeze (shooting "The Country Cat")
CA Tahoe City KRQX 96.5 96-Rock (strict) CT Norwalk WQGX 95.9 Great Mix 95.9 CT Waterbury WYZZ-FM 92.5 Country 92.5 FL Sunrise WKXP *92.5, FM-88. "WCIX-6 Miami (CBS O&O) tried to squelch WKXP as an 'interferer,' but FCC said no go. . . Pirate locals ur 88.5 after WKXP signs off. Newest is 'Z-rock,' in Greensboro City FL (west of Lake Worth). Announcing telephone numbers, and reportedly has tee-shirts."
IL Aurora WYSS 107.9 107.9 Digital
IN Loogootee WKMD 94.3 94-Rock (sans "94-KMD")
IN North Vernon WINN 106.1 The Winning One
MA Northampton WHMP-FM 93.9 93.3 HMP-FM
MI North Muskegon WLCS 98.3 with "oosevelt Park, home of a mail (studio site)
NV Carson City KBUL 98.1 K-98.1 Country
NV Reno K110-FM 104.5 Kiss Country, "KICK" (strict). "Simulcast on K110 1590 Sun Valley NV (only mentioned on the AM side, then only just after FM legal ID)
NH Hanover WTSL-FM 92.3 Light 92.3
NJ Point Pleasant WADB 95.9 T, "FM-96"; always using call letters with slogans
NY South Orange WSDU *89.5 Pirate Radio—"they are owned by Seton Hall University and their basketball team is known as the Pirates"
NY Albany WDCB *90.9 Club-91
WV HPL 103.1 Easy 103.1
WV GNA-FM 107.7 Country 107.7
NY Utica WNYZ 98.7 Z-98.7
VT White River Jct. WKXE 95.3 KXE-95.3

Multi-city IDs in Use

IN Bedford WQRK 105.5 ID only with Bloomington—throwing out other cities that made the ID list
IN Linton WQTY 93.5 with Sullivan-Bloomfield KY Hoagstown-Elizabethtown WKMO 106.3 adds Radcliff

AM Happenings Most Likely Caused by FM (selected; more are in FMEdial)

CA Los Angeles KABC AM, once No. 1, now fourth place in fall Arbitron. "With KABC's slide into fourth place, the clouded future of AM radio is further muddled. Over the past decade, AM

stations have steadily lost ground to the crisper, more popular stereo sound of FM. . . Only five of the top 20 stations in Los Angeles are AM stations, and only two of those—KNPC AM (710) and Spanish-language KTNQ AM (1020) play music."

CA San Francisco—six major AMs include six simulcast on FM (KFSO-KYA, KABL-AM-FM, KDFC-AM-FM, KOIT-AM-FM, KBLX-AM-FM, KHHI-AM-FM). "But then FM is tough there." DCWashington. "AM ratings continue to dwindle. In fall Arbitron, AMs scored only 17.1% of the listenership of the top 19 stations, with only four AMs showing up in the top 19. Same four stations scored 18.7% of the top 19 in the summer book."

HI Honolulu KORI 650 silent
NY Syracuse 1320 AM. This frequency "has been inactive since Aug. 1, 1965 (the station was WQSR)."

OH Troy WTRJ 1510 CP forfeited and cancelled. FCC held that the permit was abandoned.

OR Portland KLVS 1290 AM. Dave Jack, owner, "shut the station down" and its all-Elvis Presley format. Future plans indefinite. Station failed to attract either audience or advertisers.

PA Philadelphia 900 back on, WURD, "The Word," with a black gospel format and new owners. "WFLN never did operate it again. They did fire up the transmitter a few times in December, but ran only an open carrier." TN Knoxville WUTK AM 850, formerly WIVK AM. Was to have sold for \$1.2 million to a minority enterprise, but deal fell through. Instead, it was given to the U. of TN as a tax write-off of \$600,000.

VA Richmond WLEE 1480 silent, but being sold to Edward T. Giller. Part of transmitter site, also shared with "WBBL-1480, sold off, so not known how the church-owned station will fare. "Regarding the analogies concerning the antiquity of AM broadcasting (Feb.), I have another obvious incongruity to add—how about those factory AM-only, digitally-tuned car radios? Makes about as much sense as black and white VCR. Enjoyed the column; keep it up."

"I enjoy FM a lot as a listener and observer of FM stereo. On the day that it comes in the mail, instead of going to sleep at 10:30, I stay up 'til midnight, reading and digesting all the news. Still interested in the history of FM and FM stereo in Houston, if you are receiving any memorabilia."

"As always, I look forward to FM a lot as the bright spot of a month's required reading. Besides the speedy reporting of the many changes among stations on the FM dial, the wide variety of views published in FM a lot are a tribute to the press freedoms enjoyed in this nation, and the spirit of open expression that is not appreciated by nearly enough people these days."

Translator Abuse Applications by Noncommercial Licensees (selected)

AK Long Island. Excerpts of comments to the FCC regarding applications by Family Stations, Inc. (primary KEAR *106.9 San Francisco) by Roderick J. O'Connor, Kodiak AK appeared in FM a lot last month.

AZ Flagstaff *91.3 (WMBI-FM 90.1 Chicago) CA San Francisco, Family Stations (KEAR *106.9 primary). Broadcast consultant Doug Vernier next steps into the translator fracas. "I read the write-up in the NFBG newsletter and some of your recent comments on the Family Stations translator applications. Acting on behalf of several of my clients, I have helped prepare a number of petitions to deny against Family applications. In doing so, we have found that all of the applications studied caused interference to another station due to second and third adjacent

and IF relationships. . ."

NM Roswell *89.3, WMBI-FM *90.1 Chicago—first-filed by Moody in an expected long series of such "abusive" applications
OK Stillwater *8.7, WMBI-FM

TX Amarillo *91.5, WMBI-FM
TX Bryan *89.7, KNYD 90.5 Broken Arrow OK
TX Kerrville *89.9, KNYD

TX Laredo *90.7, KNYD
TX Longview-Kilgore *90.5, WYFG 91.1 Gaffney SC

TX Lufkin *88.9, KNYD
TX Midland *89.1, KNYD
TX Paris *89.7, WMBI-FM

TX San Angelo *89.3, KNYD
TX San Antonio (at 6733 Queens Court, West Roberts No. 1) *88.1, KNYD

("Windcrest," at 5103 Loop 1604, NW San Antonio) *88.5, KNYD

TX Sherman *89.7, KNYD
TX Tyler *88.1, KNYD

TX Victoria *90.7, KNYD
WA Port Orchard ("Dashpoint") *89.1, KEAR.

Petition to deny filed by KPLU *88.5 Tacoma and KNHC *89.5 Seattle WA

There may be indication that Family Stations, Inc. and Moody (WMBI-FM *90.1 Chicago) are connected. I have never seen the two come up against each other in any hearings, or to apply for the same translator frequencies, and except for Kodiak AK (see above) they tend to exist in separate markets. In a recent educational application situation in Bristol-Blountville TN, Moody asked the FCC to accept Family's application as ready to grant. This was after the FCC had returned a competing application filed by Blountville Education Association. The FCC, however, did not grant Family's application, instead reinstating Blountville's application, after new coverage maps and other data were presented to the FCC within a 30 days' grace period permitted for such amendments. BEA has since presented information that it has an educational goal, and will work with four area colleges in presenting secular and religious programs which would be locally produced and considered "educational."

"I enjoy your work with every issue. Agree in general on KEAR abuse of rules. I am a broadcaster with FM and translators. . . Keep standing for proper application of FM translator technology and true local service."

See Also February VUD For

CO Manitou Springs KCME is on *88.7, not *88.6," Allen, p. 28

GA Glennville WKIG-FM 106.3 k format, Nordquist, p. 32

MA Great Barrington WBBS 105.1 \$, r, and correctly turning off \$ generator when carrying monophonic programs, Bugaj, p. 33, Sprachman, p. 37

MI Midland WKQZ 93.3 multi-city IDs, Nie-NE Gordon, need to know if KSDZ 95.5 may have embraced stereo, Allen, p. 28

NY Hudson WRVW 93.5 b format and possible call change to WRES, Sprachman, p. 37

NY Patterson WMVJ 105.5 r, Nordquist, p. 32

NY Remsen WIBQ rm format, and "B-93.5" Nie-NE, Kretschmer, p. 29

NY Schenectady WGY-FM 99.5 "Electric-99" Nie-NE, Kretschmer, p. 30

OK Perry KJFK 105.1 r, Stereo \$ status confirmed, Buntin, p. 28

FM Rulemakings Proposed

Selected only; more are in FM a lot newsletter. Sample two dollars, or subscribe at \$18/year from me at address at the beginning of this column. First date below is deadline for filing comments at the FCC; second date is for replies. Stations affected, if any, are listed before the dates

CA Dunsuir 100.1A, Mar. 13, 28

CO Meeker 94.5A, James Hicks, Feb. 21, Mar. 8
CA Martinez 107.7CZ for 94.3A, WMTZ, Feb.

21, Mar. 8, site to be 25.3 km NW to avoid a short-spacing to WKOB 107.5C St. George SC
IA Grinnell 106.7CZ for A, KICL, site to be 10.3 km NW to avoid short-spacing to KJCC

106.9CZ Osceola IA, replies by Feb. 17
KY Morehead 96.3A, Brad-Lee Todd Corp., site to be 3.2 km NE to avoid a spacing problem with 96.3A Wilmore KY, Feb. 21, Mar. 8

MI Tawas City 94.9A for 101.7A. This will help avoid interference WDBI receives from CKNX-FM 101.7 Wingham ON, which "is especially severe during summer months."

MI Wurtsmith loses its 94.9A allocation (necessary because of Tawas City); no applications on file (window was open May 12-June 16)

MO Kirksville 94.5C for C1, KRXL, site to be 14.4 km NE, Feb. 17, Mar. 6.

NM Taos 101.5CZ for 101.71A, KTAO, Feb. 21, Mar. 14 [Muncy PA

NY Conklin 100.5A (from 93.3A), with/ NY Essex (44-18-30; 73-21-24) 101.3A, Russell

Kinsley must prove Essex is a community qualified to be allocated Feb. 2, 17

OK Comanche 96.9CZ for 96.7A, KDDQ, Feb. 27, Mar. 14 [km SW, Feb. 2, 17

OR Lebanon 279C for C1, KIQY, site 5.5/ PA Jersey Shore 98.3B1 for 93.5A, WJSA-FM, with Muncy [with Muncy

PA Laporte 103.9A, [with Muncy
PA Lewisburg 92.3A from 96.3A, [Muncy

PA Lock Haven 92.7A for 92.1A, WWUZ, with/ PA Mill Hall 98.7A, counterproposal

PA Muncy 93.3B1 for 103.9A, WHTO-FM
PA Renovo 98.7A for 93.1A, with Muncy

PA Riverside delta 92.3A (part of Muncy counterproposal) [with Muncy

PA Tioga 94.7A for 93.3A, [Ravenel
SC Barnwell 99.1A for 101.7A, WBAW-FM, with/

SC Ravenel 101.7CZ for A, WMGL, Feb. 27, Mar. 14 (see Barnwell) [proposal

TX Claude 105.7A, counter-/ [17, Mar. 6
TX Plainview 103.9C1 for A, KKYN-FM, Feb./

FM Rulemakings Finalized (selected)
Dates are when FCC filing windows are open

AR Springdale 94.9CZ for A, KCIZ
CA Warrenton 93.1A, Feb. 22-Mar. 24

IL Anna 98.5CZ for 92.7A, WRAJ-FM
IL Christopher 103.5A, Mary, 6-Apr. 5

IL Herrin 92.7A, Mar. 6-Apr. 5
IA Onawa 102.3C1 for A, K000

KY Carrollton 95.3A for 100.1A, WIKI
KY Dry Ridge 96.9A, until Mar. 1

KY Somerset 97.1CZ for 96.7A, WSEK
KY Williamson 106.5A, until Mar. 1

KY Winchester 100.1CZ for A, WFMI, 28 km NW
MN Cloquet 100.5C1 for 100.9A, "WSCN

MN Grand Marais 95.3C from 100.5C
MO Aurora 100.5CZ for 100.1A, KELE

SD Brookings 93.7CZ for 94.3A, KGKG
SD Vermillion 106.3A for 102.3A, KVRP

TN Lawrenceburg 97.5A, Feb. 22-Mar. 24
WA Ephrata 92.3CZ for 95.9A, KGDN.

93.9CZ provided as an equivalent channel to accommodate competing expressions of interest for Channel 222C2, site to be 11 km S, to avoid problems in spacing with KMP5-FM 94.1 Seattle, seeking to move to a new transmitter site. Window Feb. 14-Mar. 16.

WY Burns 101.9C2, site to be 12 km SW to avoid short spacings to KPNY 102.1C2 Alliance NE and KFL 101.3C Bridgeport NE, Feb. 14-Mar. 16.

FM MEMORIES

FM AS IT WAS—OR MIGHT HAVE BEEN
Dr. Al Germond, Columbia MO, commented in FM a lot on old Zenith FM tube radios.

Jerry White, Camilla GA, who enjoys FM history, sent a 1963 article about WJEF-FM (now WJFM 93.7) Grand Rapids MI. "WJEF-FM used to use 500 kw ERP and now is allowed to use 320 kw—the highest in the U. S." 73,

James

:SOUTHERN·FM DX:

Danny Buntin
1312 N. Skyline
Stillwater, Ok. 74075

DEADLINE: 10th

For FM DX reporters from: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MO, MS, NC, NN, NV, Ok, SC, TN, TX, UT, VA & WV. Also DC.

Australis reports Es there has been good. Perhaps that's a favorable sign that North American Es well be good this season. Meteor scatter was active with a couple of other reporters during December. Some Es and tr was also noted during December.

Geoff Wolfe, 40 Charlton St., Mt. Waverley, VIC, Australia 3149

Well, I had much sporadic Es this year, being a record season for me. On one day noting 42 FM Stations via Es. That's a record for Australia. We don't have many stations at all in Australia. Only have 7-8 commercial FM stations in the whole country!

New Caledonia put in some good signals on some frequencies, though not others. TV DX was also good, but that's another story. Elsewhere other DXers had virtually nothing. I had New Zealand FM for 7 days in a row. No sign of South Australia this year. Most of my FM DX is done from Bombala N.S.W.(30 miles from Victorian border). I spend most of my holidays there. 73,s.

John Jefferson, 4104 Spyglass Ct., Antioch, CA 94509

Guess I'd better finish off 1988 while I recuperate from a flu bug. There was a major storm here on Dec. 14, just too late to open up the band for the Geminids. Had to settle for a couple new xlaters & some relogs. Too bad: it's the first time since the early '70's that 102.5 has been open, & the first time since 1966 that 106.5 has been relatively blank. It would've been fun at the height of the meteor activity! As it is, I've only managed a couple new ms loggings since moving here: the Perseids were a terrible disappointment; the Geminids did well, but mostly with relogs new to Antioch. Ironically, my 2nd ms catch here was an Antioch relog of an es logging, & was done with the aux tuner w/ rabbit ears!

As usual, new loggings are underlined; @ designates new to Antioch. Dashed underline indicates a new mode, # aux tuner w/ aux antenna in garage, & \$ indicates aux tuner w/ rabbit ears (used when fishing for something in the wrong direction for the aux, which lacks a rotor).

TIME CALLS	FREQ	SI	CITY	DIST	REMARKS
<u>8/21/88</u> IR					
0128 KZDZ@	93.3	CA	San Luis Obispo	180	o/KYA
0142 KIQD@	104.5	CA	Atascadero	180	o/KFOG
0200 KKUS@	98.1	CA	San Luis Obispo		o/KABL
<u>8/29/88</u> IR					
0115 KRUZ@	103.3	CA	Santa Barbara	255	KBEE off
<u>9/2/88</u> SL					
0900 KHAP	89.1	CA	Chico	130	New to air
<u>10/24/88</u> MS					
1030 KXNP#	103.5	NE	North Platte	1115	Local ad
<u>11/3/88</u> SL					
2324 KQNC@	101.9	CA	Quincy	135	Returns to air
<u>11/12/88</u> MS					
0149 CBR@	102.1	AT	Calgary	1015	CBC \$
<u>SL</u>					
2204 KNIB	91.3	NV	Carson City	150	Program tests, // KNIS 94.7
<u>11/19/88</u> MS					
0230 KXIZ	94.1	NV	Henderson	380	Calls
<u>11/20/88</u> SL					
2016 KADV	90.5	CA	Modesto	45	Testing
<u>11/21/88</u> IR					
0040 KQZI	95.3	CA	Ft. Bragg	140	s/off; KUIC off
<u>11/27/88</u> IR					
2201 KJOI	98.7	CA	Los Angeles	320	ID

<u>12/11/88 MS</u>				
0300 KGMG#	102.1	CA	Oceanside	395 102.1 San Diego
<u>12/12/88 MS</u>				
0205 KVNA#	97.5	AZ	Flagstaff	600 Calls, AZ wx
1230 KMML#	98.7	TX	Amarillo	1115 Calls
<u>12/13/88 MS</u>				
0435 KISW#	99.9	WA	Seattle	690 Calls
0757 KWBX?	105.7	OR	Bend	Classical
<u>12/14/88 MS</u>				
0315 KRKTE	99.9	OR	Albany	485 Calls
0830 KCIR	90.7	ID	Twin Falls	500 TF reference
<u>12/24/88 SL</u>				
0029 K296CD	107.1	CA	Salida	50 KEAR ID
<u>MS</u>				
0734 KFFM#	107.3	WA	Yakima	625 Local nx
<u>12/27/88 IR</u>				
2029 KOSZ#	107.3	CA	Grover City	200 Cozy, GC refs
<u>12/31/88 TR</u>				
0029 K212AJ	90.3	CA	South Lake Tahoe	120 KEAR ID; KDVS off

The year-end totals are 238 for Antioch, 978 for the Diablo Area log, and 69 for the year (in the Diablo log). Not too shabby, even if the skip did die the day I moved here. Didn't beat my first-year Pleasanton total (263), but that included May & June. A fairer comparison of sites will be the 12-month totals, and Pleasanton's 267 will get blown away if May & June of this year are anything at all!

Keith Pugh, 227 Martin St., New Hope, AL 35760

Equipt: Onkyo T-9090, \$ Probe 9, RG-6 coax

9/18 tr

2028 WAFT 101.1 GA Valdosta, g, ID

2/11 Es

1058 WKKL 90.7 MA W. Barnstable, ID, \$

1059 WBJB 90.5 NJ Lincroft, ID

1105 WJMG 92.1 NY Sag Harbor, ads

ms

1122 CFMK 96.3 ON Kingston, call, wx

12/12 ms

1001 unID 98.7 "...298-Rock or 298-Roll..."

2112 KVNO 90.7 NE Omaha, "...is coming to Omaha Jan. 4th..."

12/13 ms

0024 WALK 97.5 NY Patchogue, ad, calls

0025 WPST 97.5 NJ Trenton, "97-5 WPST"

0058 WGBF 99.9 NY Plattsburg, "B-100"

0900 KUNI 90.9 IA Cedar Falls, "...Cedar

Rapids-Waterloo, KUNI."

0954 KLLP 93.1 MN New Ulm, "...In Mankato, 33 in New Ulm."

12/15 ms

2136 WUSL 98.9 PA Philadelphia, "Enjoy

Philly's only..."

2154 WBGM 98.9 FL Tallahassee, call

tr-gw

2248 WQMT 98.9 GA Chatsworth, ID

from 99.3

12/21 Es

1639 KLYT 88.3 NM Albuquerque

1711 KSEL 95.3 NM Roswell, ID

12/21 Es

1715 KBM 94.9 NM Roswell, ID

1719 KDLC 94.3 TX Del Rio, ID

1721 KATK 93.7 TX Lubbock, "KICK"

1724 KTDR 96.3 TX Del Rio, "Power 96"

1733 KEZB 93.9 TX El Paso

1735 KSAQ 96.1 TX San Antonio

1756 KLTO 94.7 TX El Paso

tr!

2001 KQUS 97.5 AR Hot Springs, ID

2018 KXSA 103.1 AR Dermott, k

2038 WKLL 107.1 MS Oxford, r, "J-107"

2051 WOXD 95.5 MS Oxford, r, ID, \$

2100 WBAQ 97.9 MS Greenville, b, ID

2102 WAFM 95.3 MS Amory, r, \$

2244 WYNG 105.3 IN Evansville, ads

12/22 tr

0006 KXUS 97.3 MO Springfield, "US-97"

0008 KTGS 99.9 AR Fort Smith, k, ID

0035 unID 105.7 r, "Kiss-FM"

0040 KZBB 97.9 OK Poteau, "B-98"

0100 KUAR 89.1 AR Little Rock, ID

12/23 tr

1034 KDRS? 107.1 AR Marion, k, ID, or KTRS?

1044 KJBR 101.9 AR Jonesboro, r, ID

1100 KXLX 105.7 TX Longview, k, ID

1109 WXXQ 105.5 TN Selmer, local ads

1118 KOYN 93.9 TX Paris, k, ID, \$

Es

1630 unID 88.1 FF, mono

1634 unID 92.5 "...OC-FM", "Kwy. 20", \$

Trop on Dec. 21 thru 23rd was intense from parts of AR, MO, MS and west TN. Most high power stations from those areas were 50 db or better. Paid little attention to making logs as there were so many like all Little Rock, Memphis and areas in between. Jackson, MS also very strong. Directivity of the Probe 9 was evident in logging these stations. I had to really zero in because so many signals were present. Also, I've received that signal on 88.3 again w/\$, but no audio this time, on 1/21. (My only log in '89 so far!) It was only on for a few minutes. At times sounded like someone rubbing their finger on a record needle. It comes from the direction of Summertown, TN. So I wonder if WUTZ is off air since I've never heard them and they may be testing at times. '73 & a fine '89 to all.

NORTHERN FM-DX

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NEW YORK 14221

FOR DXERS in: Canada, ME, NH, VT, MA, RI, CT, NY, NJ, PA, OH, MI, IN, IL, WI, IA, MN, ND, SD, NE, MT, WY, ID, WA, OR, AK, and HI

MARCH 1989

DEADLINE: THE 5TH

Some good troposcatter heard by some due to locals off, as well as some January aurora. New reporter Jeff Falconer and Ralph Strobel both heard some good tropo. If you have had some DX, send in a report. New reporters are ALWAYS welcome at Northern FM DX!!.....

DAVE NIEMAN, P.O. BOX 155, CLARENCE, NEW YORK 14031-0155

EQUIPMENT: Carver TX-11 tuner, Heathkit audio amp, Channel Master 4408 (Stereo Probe 9) antenna at 25' above ground 815' above sealevel turned by a CDE rotor, RG-11 75 ohm coax used.

DECEMBER 1988

30 TrS

1230 WLLG 99.3 NY Lowville, call, m\$ 154

31 TrS

1400 WKDN 106.9 PA Camden-Phily, ID, g\$ 272

JANUARY 1989

3 TrS

0931 WVND 106.1 OH Mansfield, call, r\$ 260

5 MS

0850 KUAR 89.1 AR Little Rock, ID, \$ 938

9 TrS

0949 WNIC 100.3 MI Dearborn-Detroit, call r\$ (Elvis contest). 254

10 TrS

1100 WXPX 88.9 PA Philadelphia, ID, j\$ 266

1200 WCVT 89.7 MD Towson, ID, t\$ 270

11 TrS

1001 WMRT 88.3 OH Marietta, ID, c\$ 297

15 TrS

0900 WGLE 90.7 OH Lima, ID, c\$ 333

0900 WAUS 90.7 MI Berrien Springs, ID, c\$ 406

JANUARY 1989

15 AU

1830 WMBI 90.1 IL Chicago, ID, g 477

2000 WBLV 90.3 MI Twin Lake, ID, c 384

16 TrS

1238 WIDL 104.9 MI Caro, call, m\$ (vocals) soft rock 254

17 TrS

1103 WEMU 89.1 MI Ypsilanti, call, j\$ 268

1329 WAPS 89.1 OH Akron, ID, NPR\$ 207

(Akron teachers on strike)

22 GW & TrS

1000 WQRT 98.3 NY Salamanca-Olean-Bradford, PA ID, k\$, "GREAT 98 COUNTRY" 58

1402 WGTS 91.9 MD Takoma Park, call, c\$ 288

1516 WLQR 101.5 OH Toledo, call, b\$ 274

23 TrS

1404 WUOC 89.1 OH Cambridge, ID, c\$ 260

28 TrS

1020 WSRD 104.9 NY Johnstown, call, r (oldies)\$ 199

29 TrS

1000-1100 94.7 WFME Newark, NJ g\$ 268; WDSO Dover DE k\$ 305; WLTT Bethesda, MD ads 283

Not much time to listen in January.
Dave

BOB SMOLAREK - 156 OLDWICK ROAD - WHITEHOUSE STATION, NEW JERSEY 08889

JANUARY 1989

5 Tr

0930 WDSY 107.9 PA Pittsburgh, k, WEBS off

0945 WVPS 107.9 VT Burlington, c, WEBS off

29 Tr

0245 WBRU 95.5 RI Providence, modern rock, WPLJ off

0247 WROW 95.5 NY Albany, b, WPLJ off

0249 WKYE 95.5 PA Johnstown, r, WPLJ off

FEBRUARY 1989

01 GW

1200 WSKQ 97.9 NY New York, Spanish, ex:WEVD

Well, thats about it from down here, 73s and lets hope for some early May E-Skip!
73's Bob

MORRIS SORENSEN GENERAL DELIVERY PORT CARLING, ONTARIO POB 110

Receiver: FV-610 or Sony ICF-2010

Antenna: "Whip"

JANUARY 1989

13 GW

2146 CIKX 106.5 ON Owen Sound, new local heard daily with ad con/rock mixture, non IDs "K 106.5", also carries "Broadcast News" same owners as CFUS 560 and CFPS 1490. Good signal here. 75

21 Tr

2158 CKGL 96.7 ON Kitchener, country mx, ID at 2200, seldom heard here because of local on 96.5 135



RALPH STROBEL - 106 E. DAVIDSON STREET - MUNCIE, INDIANA 47303

Equipment: McIntosh FM Tuner - CM Stereo Probe 9 Antenna - Wintertime is EST here.

November 1988

3 MS
 2351 WNOE 101.1 LA New Orleans 754
4 tr
 0100 WRKR 107.7 MI Portage-Kalamazoo, r\$ 140
5 MS
 0055 KIL0 93.9 CO CO Springs-Pueblo, 1040
 Previous Es
7 MS
 2337 KFNf 101.1 KS Oberlin 795
8 MS
 0027 KOSI 101.1 CO Denver 1040
14 tr
 0109 WSTZ 106.7 MS Vicksburg-Jackson, 630
 r\$, legal ID
14 MS
 0337 KPHRt 93.9 SD Rapid City, 953
 Previous Es

15 tr
 0100 KHLs 96.3 AR Blytheville, k\$ 378
27 MS
 0452 KFAN 101.1 TX Fredericksburg, 1020
 Previous Es

December 1988

7 MS
 1245 KFAN 101.1 TX Fredericksburg 1020
8 MS
 0048 WNOE 101.1 LA New Orleans 754
 2244 KMZU 101.1 MO Carrollton 434
11 MS
 2357 WRR 101.1 TX Dallas 814
12 MS
 ??? KRMD 101.1 LA Shreveport 706
 ??? KD&R 101.1 ND Williston 1058
 ??? KHCD 89.5 KS Salina 658
 2254 KRMD 101.1 LA Shreveport 706
13 MS
 0030 KTYN 98.7 TX Victoria, 1027
 (A MS record) Previous Es
 0059 KLUV 98.7 TX Dallas 814
 0758 KENW 89.5 NM Portales 1071
 2238 KBHP 101.1 MN Bemidji 690
14 MS
 0012 unID 98.7 ?? ?? ???
 0110 WAIV 96.9 FL Jacksonville 712
 7777 KMGO 98.7 IA Centerville, 395
 Previous tr
 (??? means that the MS burst was found
 taped on my reel to reel tape deck, which
 I left running at the very slowest speed).
 (See MS results listed below)

December 1988

14 MS (Cont'd)
 7777 WSTF 101.1 FL Cocoa Beach 864
 0756 KLIR 101.1 NE Columbus 632
15 MS
 1001 KHCD 89.5 KS Salina 658
 1646 KVNE 89.5 TX Tyler 773
22 tr
 0600 KRNB 101.1 TN Memphis, s\$ 432
 "Magic-101" o/WBVR/WMRI
25 MS
 0304 WRR 101.1 TX Dallas 814
25 tr
 0501 WVXR 89.3 OH New Paris- 40
 (// WVXU 91.7) IN Richmond, now in \$
30 MS
 0254 KTEO 93.9 TX San Angelo 1070

January 1989

3 MS
 0423 WCTH 100.3 FL Plantation Key, 1088
 Previous Es
 0439 WOJYt 100.3 NC High Point- 412
 Greensboro-Winston-Salem
 0623 WKGR 98.7 FL Fort Pierce-West 926
 Palm Beach-Boca Raton,
 Previous Es
 0740 unID 98.7 ?? ?? ???
 1454 KTYN 98.7 TX Victoria 1027
 1544 WMEV 93.9 VA Marion, 315
 Previous tr
9 MS
 0148 KTEZ 101.1 TX Lubbock 1017
10 tr
 1200 WRRR 93.9 WV St. Marys, 223
 r\$, o/CKMR
10 MS
 2353 WLVE 93.9 FL Miami Beach 1040
13 MS
 2345 WRR 101.1 TX Dallas 814
15 MS
 0544 WCTH 100.3 FL Plantation Key 1088
18 MS
 0920 KWOX 101.1 OK Woodward 802
21 MS
 2217 KLIR 101.1 NE Columbus 632
22 MS
 1729 KOSI 101.1 CO Denver 1040
23 MS
 0107 WRR 101.1 TX Dallas 814
25 MS
 1330 WRR 101.1 TX Dallas 814

METEOR SCATTER RESULTS

Nov 3 - WNOE "...WNOE..."
 Nov 5 - KIL0 "...November 25th,
 sponsored by Kilo-94..."
 Nov 7 - KFNf "...7:30 til 11:30 at the
 Scott City VFW Club..."
 Nov 8 - KOSI "...CO's turnout to be
 percentage wise, one of the highest in
 the nation..."

Nov 14 - KPHR "...from the power
 station..."
 Nov 27 - KFAN "...You're listening
 to FM-101 KFAN..."
 Dec 7 - KFAN "...This is Steve Spears
 for..security reporting for KFAN on nx
 affecting your money..." Music begins -
 DJ says, "...KFAN - K-fan..."

Continued next page

Ralph Strobel's meteor scatter results continues:

Dec 8 - WNOE "...for the best window tent in New Orleans..."
KMZU "...28 degrees here at the KMZU studios..."

Dec 11 - WRR "...for more information, please call the Dallas SPCA at 651-..."

Dec 12 - KRMD "...FM-101 KR..."
KDSR "...SR Williston..."
KHCD "...Concordia and Manhattan. 24..."

Dec 13 - KRMD "...KRMD..."
KTXN "...KTXN..."
KLUV "...7 FM - KLUV..."
KENW "...KENW-FM and KMTH-FM are both...radio stations owned by Eastern NM University and...100,00 watts of effective radiated power and authorized."
KBHP "...directly across the street from Valley Oil and the Bargain Warehouse at 3119 South 3rd Street in Crookston..."

Dec 14 - unID "...Now we got a cool 52 at K-Rock. The old saying goes, when you can't stand the boredom, get out of the kitchen..."

WAIV "...97-Wave - WAIV..."
KMGO "...Here's a look at the KMGO weather..."

Dec 15 - KHCD "...7. In Salina..."
KVNE "...In Second Corinthians,

God is able to make all grace abound to you in its will of triumph from KVNE..."

Dec 25 - WRR "...in Dallas are not..."

Dec 30 - KTEO "...on KTEO..."

Jan 3 - WCTH "...WCTH Catch-FM..."

Jan 3 - WOJY "...This is Joy-100..."
WKGR "...Palm Beach or J.B. Furniture in Port St. Lucie..."
unID "...98.7 - K-Rock..."

KTXN "...information guide... throughout the Victoria area..."
WMEV "...Virginia Highlands

Community College in Abingdon'll offer ten short terms of computer courses..."

Jan 9 - KTEZ "...K-Lite 101.1..."

Jan 10 - WLVE "...from \$68.84. Call now from Diamond Shoal. Love-94 South FL wx is partly cloudy..."

Jan 13 - WRR "...ten o'clock. You're listening to the WRR..."

Jan 15 - WCTH "...This is Linda Kramer, park ranger for the Key Largo area..."

Jan 18 - KWGX "...area wide telephone directory. It's the only book you need 'cause it goes everywhere in Northwest Oklahoma...K..."

Jan 21 - KLIR "...for cylinders and propane service in David City and Valparaiso where you can count on 24 hour service, and don't forget Skinny's Corner Drug with fish fries on Friday..."
(Both these towns are near Columbus, NE)

Jan 22 - KOSI "...and 61 at the airport. Here's another set...on FM-101 for your enjoyment - cozy..."

Jan 23 - WRR "...Jean Sibelius on WRR..."
(Sibelius is a famous Finnish composer)

Jan 25 - WRR "...eight convenient Dallas-Fort Worth locations. Check the yellow pages for one..."

Comments: With all the meteor scatter DXing I've done on 101.1 MHz, one would think that stations to the east of me would also be heard. For some mysterious reason, I seem to be finding the same relogs time and time again. On the evening of December 14, 1988, I counted 14 bursts of classical music on 101.1 from 10-11 p.m. EST. As far as I can tell, WRR in Dallas is the only classical station on this frequency. Many times when I hear WRR by MS, I am able to identify the composition being played over the air. The skies of Dallas, TX must be full of meteor activity compared to other parts of the country. Does anyone have any explanation for this? If so, please write and fill me in. This is interesting.

Here is a list of stations on 101.1 I have never heard by MS or any other type of propagation mode:

WFMH AL Cullman
WWDC DC Washington
WAFT GA Valdosta
WFAL MA Falmouth
KZMT MT Helena

WGIR NH Manchester
WPCM NC Burlington
WEAZ PA Philadelphia
WGMR PA Tyrone
WCKN SC Anderson

In spite of this, out of 27 stations logged on 101.1, 19 have been heard by meteor scatter. My second best frequency for meteor scatter is 98.9 with 18 ID bursts. Total number of stations on 98.9 is 25. Now 98.9 is destroyed by the fact that WBYY Van Wert, OH-Fort Wayne, IN has gone 24 hours! All I needed! Looks as if all the new stations coming on the air will do nothing but destroy our hobby of DXing. Even the television channels are becoming clogged with new stations and TV DXers certainly won't be too happy about that!

Let's hope the spring and summer will bring us all a multitude of Es happiness!
My meteor scatter total stands idle at 112.

73 - Ralph

JEFF FALCONER - BOX 63 - CLINTON, ONTARIO NOM 1LO

(Welcome to Northern FM DX, Jeff!!-gc)

EQUIPMENT: ICOM R7000 - Creative Design 25 element log periodic at 28'
with Archer rotor or ICOM AH-7000 discone at 25'

103 new stations heard since October. I've only listed better catches.

OCTOBER 1988

2 Tr
0531 WTCR 103.3 WV Huntington, ID for Huntington-Germantown. WV #1 here
26 Tr
1931 WEEL 97.3 WV Wheeling, fair in CKO splash with contest promo, heard several times since.

NOVEMBER 1988

1 MS
2204 WCGQ 107.3 GA Columbus, "...on WCGQ, 107.3...", into mx
21 Tr
2234(WNSN)101.5 IN South Bend, "Sunny" ID, semi reg here, ex WWJY

JANUARY 1989

3 Ms
0038 WVRX 103.7 RI Westerly, "...103.7 WRX...". r, RI #1
19 TrS
1553 WMYJ 97.9 PA Edinboro, relatively new station mixing with WJLB, ID for Edinboro-Pittsburgh. (Jeff, are you sure the ID was w/Pittsburgh; Edinboro is about 100 miles from there; maybe something sounding like Pittsburgh?-gc)
1603 WRKR 107.7 MI Portage, new station, RKR IDs and r.
Put up new log periodic antenna, 42 new stations heard in 5 days."
25 Tr
1616 WCSB 89.3 OH Cleveland, punk rock, heavy metal, request line, completes Cleveland for me.
1830 WMUR 88.5 OH Oxford, good with ID, into news
1839 WSNY 94.7 OH Columbus, "Sunny 95" ID, r
26 Tr
2305 WGTZ 92.9 OH Eaton, "93 Z" ID
27 Tr
0127 WHIO 99.1 OH Dayton, faded up briefly w/ID, then gone
1936 WMGG 99.7 OH Columbus, "Magic 99.7" ID, r
28 Tr
1454 CFMK 96.3 ON Kingston, ad for CKWS TV, looking for CFMX1
1458 CBCO 105.9 ON Orillia, CBC EE Net
1459 CJBCS 106.3 ON Peterborough, CBC FF Net
1650 CFJB 95.7 ON Barrie, r, 95 Rock ID, new stn
1733 WHOT 101.1 OH Youngstown, r, "Hot 101" ID
1759 WYSU 88.5 OH Youngstown, ID went Youngstown University
1846 WRRN 92.3 PA Warren, ID wea mixing w/WVAE.
1909 WKKS 106.7 PA Beaver Falls, ID, r
2003 CJBCS 96.5 ON Penetanguishene, CBC FF Net
2004 CBCN 107.5 ON Penetanguishene, CBC EE Net
2024 CHRW 94.7 ON London, r, one of my most wanted, completes London
2050 CFMX 103.1 ON Cobourg, poor w/C1QM, ID into opera program
2051 CFMX1 96.3 ON Mississauga, same as CFMX above, but stronger
29 Tr
1921 CFLY 98.3 ON Kingston, ski report, FLY request line #
1530 WKTN 95.3 OH Kenton, faded up w/weak ID.
1800 WQLX 102.3 OH Galion. live bust from a church, mixing w/WPOS/CKDK
30 Tr
0100 WUFN 96.7 MI Albion, religious pgm, local pest CKGL off.
0213 WCXT 105.3 MI Hart, "the new WCXT", local pest CFCA off 0205-0255
0214 WHIT 105.3 OH Mansfield, "Hit 105" ID, r
0230 CJMX 105.3 ON Sudbury, ad for Glorias restaurant
1800 WGLE 90.7 OH Lima, ID and "Ohio Network" news
1806 WGTE 91.3 OH Toledo, same pgm as WGLE above
1852 WQTL 106.3 OH Ottawa, ad live from a butcher shop in Findlay.

Ran out of space Greg, hi! Until next time 73 and Good DX.

Jeff

BILL NIENAJADLY - 98 HIGHLAND AVE. - CLIFTON, NEW JERSEY 07011

EQUIPMENT: GE Superradio 11, Attic wire antenna 1011DECEMBER 198831 TrS/AS0812 unID 91.7 Small Town" by John Cougar, male
older voice" announcer, 5 sec burst**WSNI**
104.5 FMJANUARY 1989 - HAPPY NEW YEAR, GOOD DXING-bn1 GW2325 KPRC 91.5 PIRATE, mellow AOR & phone conversations with
listeners; didn't get phone#, exc. sound,
signal good, pirate total:42 GW/Tr/AS vx = fogLocal WQXR 96.3 New York off air

0202 WNTX 96.3 RI Nantucket, "Oldies 96" ID, full strength
for 1 min., long deep fades, then gone 205

0237 WSBH 93.5 PA Stroudsburg, stable/weak GW, Top40/AOR, WRTN off! 69

0241 WJPL 91.9 NY Brooklyn, Pirate, asking for \$20.00!, WJPL
fundraising P.O. Box 1191 Grand Central Sta., NY, NY 20

0317 WHJY 94.1 RI Providence, AOR, in 2mins then gone, 94HJY 185

0332 WPFL 96.5 PA Montrose, religion, vx for "East Pa. and NY's
Southern Tier", ID, steady fade in for 1 hour. 120

0829 WRVW 93.5 NY Hudson. ID/call, in briefly, WRTN still off 100

0838 WZBH 93.5 DE Georgetown, in several times weak/ID call/AOR
WRTN off still!, rare 165

RARE-WEBE 107.9 NOT HEARD!

1129 WXKS 107.9 MA Medford/Boston, ID Kiss 108 FM, strong to fade 210

1139 unID 107.9 relig. pgm // WFME. Perhaps WFSI? (Likely gc)

1142 unID 107.9 beautiful mx in for 30 sec toll (WRHP Syracuse? gc)

1145-1158 Locals 93.9, 101.9 interference!

1158-1304 unID's 92.5, 92.7, 92.9, 93.7, 94.5, 95.7, 95.9
98.9, 102.1, 105.7, could not pin down formats or IDs %\$#!

1305 unID 102.3 relig pgm under WBAB, then gone (maybe WSJL Cape May, NJ?-gc)

1552 WSNI 104.5 PA Philadelphia, strong/steady for 1/2 hr, then gone! 95

1601 unID 88.9 ment WFME, Xltr on LI? (This is WFRS Smithtown, LI-gc)

1602 unID 90.1 classical mx, weak but steady, WRTI?, WKCR off!

1619 Hartford/Phillys 96.5 noted w/WQXR on!

1711 WPDH 101.5 NY Poughkeepsie, not heard much cause of WMSC/WKXW
strong/stable for three hours! 65

6 TrS/AS

0650 WBJC 91.5 MA Baltimore, classical, female announcer, long deep
fades to local strength! WNYE off! Later heard again,
ticket giveaway, call 296--- FADE! 1st Baltimore here! 195

7 GW

0047 WHOT 91.5 NY Brooklyn, Pirate!, ID "This is WHOT serving
Washington & Idaho from Brooklyn" very professional!
used old WABC jingles with WHOT instead of WABC! Wow!
Format: oldies. Pirate total:5 WCHE/WFUN/WJPL/KPRC/WHOT 20

8 TrS/MS

2207 WEBE 107.9 CT still not heard!

2211 unID 107.9 The most beautiful music in the world" 5 sec. burst
(Was this a MS burst?-gc)

2215 WXKS 107.9 MA Medford-Boston, Kiss 108 FM 210

2344 unID 107.9 R & R Hoochie Koo" Rick Derringer, 3 sec. burst (MS?-gc)

9 TrS/AS/MS

0009 WEMH 107.9 WV Huntington, ID "..EMH", weak!, 3 sec burst 470

0211 WQXR 96.3 noted off

0212 WLEV 96.1 PA Easton, steady GW 70

1730-1851 many unIDs noted on 107.9

1855 unID 107.9 Central NY counseling ctr", (WRHP Syracuse-gc)

1900 same stuff, Boston, unid Relig (Annapolis?-gc), unid AOR, unid
country, unid beautiful (Syracuse?-gc)

10 AS/TrS/GW

1536 WKDN 106.9 NJ Camden, prg identical to WFME, WLTW splatter 95

1637 WGNA 107.7 NY Albany, 3 sec burst ID! 107.7 WGNA 2 and Albany ever!
(?-gc), could've been 107.9 country. GE Superradio11 is analog
so I could've been wrong about 107.9 unIDs. Please help with
AOR/Beautiful unIDs. I have no idea about the AOR. The btl
station, however, I think could be WRHP Syracuse-gc)

1735 WEBE 107.9 CT back on, mentioned back to full power and antenna problems
(hmmm, whats wrong with 50 watts, hi!)

BILL NIENAJADLY'S REPORT - continuedJANUARY 11, 1989 - Airplane scatter

2347 WZZO 95.1 PA Bethlehem, brief ID 80
12 Tr/TrS
 1850 WNNJ 103.7 NJ Newton, wx for Sussex Co-ID 45
 1953 WMMR 93.3 PA Philadelphia, steady, ID 95
 2020 WAYV 95.1 NJ Atlantic City, brief ID 130

15 Tr

1001 unID 103.1 relig prg-church choir in for 15 mins
 1113 WMGK 102.9 PA Philadelphia, brief, ID 95

16 GW/Tr

0201 Local 96.3 WQXR off
 0202 WLEV 96.1 PA Easton, steady, ID 70
 0205 WWDB 96.5 PA Philadelphia, poor, ID 95
 0213 local WFME 94.7 off, then on, then off. Wierd
 0219 WCHR 94.5 NJ Trenton, steady/good, ID 50
 0233 WMAS 94.7 MA Springfield, briefly, ID 125

19 GW/Tr

0718 WUSB 90.1 NY Stony Brook, steady, ID 50

22 Tr

2128 unID 102.1 The New Q-102/ph# 263-6464, crossover mx, (This could very well be WIOQ Philadelphia. I heard they changed to that format.-gc). Also noted on 102.1-AOR and btfl mx (No idea on btfl mx, AOR could be WAQY Springfield, Ma-gc)

23 GW/TrS

0729 WAMC 90.3 NY Albany, ID 140
 0744 WVPK 90.3 NJ Piscataway, brief, ID 30

25 TrS/AS RARE WKCR 89.9 OFF!

1927 unID 89.7 classical mx, announcer saying "Boston symphony-last Sunday"-FADE, local quality several times
 (How about WGBH Boston?-gc)

1933 unID 89.9 jazz music, fade

1958 unID 89.9 talkshow, "Dangerous Grid lock in the Canadian health system"! (**\$)#! Had to leave!

26 GW/Tr

2053 WCWP 88.1 NY Brookville, Long Islands only radio talk station.
 rarely rx = due to 88.3 WBGO Newark 30
 0652 WBJC 91.5 MD Baltimore, ID Briefly, WNYE off! 195

January was above average for any month in a long time in years. With warm temps, stations off, tropes and more listening beat out an average spring month! Still not too shabby for a very modest system and the proximity from NYC! The attic antennas work decently, but I'm planning to get 2 RS 110 mile FM antennas, stack them to use a rotor in the next few months, and plan to get another GE Superradio II. But I don't have \$600.00...yet, for an Onkyo or Carver. Until then.....Good DXing, Bill!

KURT RICHARDSON - NORTH SYRACUSE, NEW YORKDECEMBER 198827 MS

???? WDIZ 100.3 FL Orlando, "Doesn't get any....Stones on DIZ"
 (Kurt heard this in the parking lot of the Great Northern mall in Clay, New York-gc)

JANUARY 1989

15 Au
 1908 unID 100.3 "FM 100", ez listening (from Great Northern Mall)
 1925 WJLB 97.9 MI Detroit (at Bill Kretschmer's), "JLB"
 My Prerogative" by Bobby Brown (Sam Brown was also present)
 1950 WWWW 106.7 MI Detroit, country music
 2000 unID 93.7 Shake It" by Eddie Money (could be WJFM)
 (Very possible. WJFM's format is Classic Hits-gc)

REPORT TO NORTHERN FM DX TODAY!!!

BILL KRETSCHMER - 104 KOPP AVENUE - NORTH SYRACUSE, NEW YORK 13212-1606

EQUIP: Yamaha TX-900U Stereo Tuner, CM Stereo Probe 9
at 40 feet AGL, CAC11 coax, Elevation 400' ASL

DECEMBER 198831 TrS

0844 WPLM 99.1 MA Plymouth
0846 WMJX 106.7 MA Boston, Lite 106.7
0854 WHTZ 100.3 NJ Newark
heard at 0855 by MS burst!

JANUARY 19892 Tr

0100-0205 NY's WLTW 106.7, WNSR 105.1,
WQHT 97.1, WBLS 107.5, WYNY 103.5
0207 WYSP 94.1 PA Philadelphia
0213 WSUS 102.3 NJ Franklin
0220 WTLQ 102.3 PA Pittston, Q102-Great CHR!
0242 WHTG 106.3 NJ Eatontown, WVIP fading

7 Tr

1000 WCUD 106.1 MA Hyannis, wx for Cape Cod & The
Islands/Tide Schedules
1001 WPLM 99.1 MA Plymouth
1028 WPKT 90.5 CT Middlefield WBXL off
1038 WFUV 90.7 NY New York
1144 WBAI 99.5 NY New York "call and support WBAI"
null WGY/WJBR

16 Au

1900-2000 CJOM 88.7 Windsor, Ont, WJLB 97.9 Detroit

25 Tr

1744-2030 Most Buffalo, Toronto, Hamilton, Kitchener FMs strong
1754 CKFM 99.9 ON Toronto, null in WOKW at 30 miles

31 TrS

WNYZ Utica/Rome 98.7 off air!
0706 WRKS 98.7 NY New York
0709 CBBB 98.7 ON Warton
0713-0719 unID MS Bursts, country, urban, jazz
0718 WMZQ 98.7 DC Washington
0720 WNYZ returns
0813 WJZZ 105.9 MI Detroit, MS burst
0814 WJZZ by Troposcatter

Trops have been interesting in January with warm temps. The 1/16 auroral opening was quite a surprise. Kurt Richardson and I heard CJOM/WJLB. Their audio was difficult to verify due to its raspy sound. The week of Jan 1-7 contained many MS bursts including 2-100. Since I purchased my tuner, I've been receiving WCUD Hyannis, Ma @ 311 miles daily! I even programmed my phone with their request line#. I guess I've been blessed with my own personal tropo duct to the Cape! A few days ago, I did my radio promo spring cleaning and came across an FM bandscan from Mt. Washington, N.H. What can be received atop that mountain is incredible! (I'm sure it is. This bandscan sounds very interesting!-gc) Elevation ASL is 6,255 feet. I'll send it in soon. By the way, Greg, your bandscans are great and hope more members send them in! 73's Bill

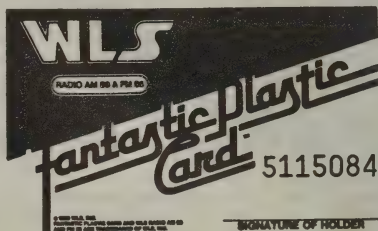
Bill adds to his report.....

FEBRUARY 19894 MS

1135 WKXC 99.5 SC Aiken

5 TrS/MS

0814 WESS 90.3 PA East Stroudsburg, reliq. music, weak! (Tr)
0834 WAIJ 90.3 MD Grantsville, "regional convention to be held at the Washington D.C. Shorem Motel." Called to verify. Had a feeling it was WAIJ because it sounded like a regional ad, so I called them. The DJ verified it was them, and played back the message I heard over the phone. I've written for verification.



WILLIAM WYLLIE - 95 PECK STREET - FRANKLIN, MASSACHUSETTS 02038-2217

EQUIPMENT: Realistic Modulaire 2200 receiver
Antenna: Wire connected to the extending rod

DECEMBER 1988

23 Tr

1958 WALK 97.5 NY Patchogue, with Oldies request show.
ID "WALK-FM" good over WOKQ Dover, NH.
2018 WMAS 94.7 MA Springfield, poor signal, rock music. ID "WMAS"
2025 WMLN 91.5 MA Milton, good but fuzzy signal, rap music
Not always heard here.

24 Tr

0104 WFCC 107.5 MA Chatham, good but fuzzy. Noted sign off. Very hard to get here due to WAAF 107.3 / WKKS 107.9
0110 WBLS 107.5 NY New York, Seems to play soft rock (urban oriented?-gc) slogan "Quiet Personal". Strong signal after WFCC sign off. Even good in stereo.
0116 WCCC 106.9 CT Hartford, very strong. Fuzzy stereo. So strong I almost mistook it for a local. Female DJ's first night on the radio.
0120 WHCN 105.9 CT Hartford, poor signal, very rare to hear. But did pick out ID as "WHCN" briefly.
0130 WSPK 104.7 NY Poughkeepsie, rock music. Good signal over WKPE. ID "K-104"
0137 WBAZ 101.7 NY Southold, strong signal over local WFNX. ID as: "Light of The Bays" something like that. This is only the second time received here.
0145 WKCI 101.3 CT Hamden, strong signal. Rock music, ID as "KC-101"
0200 WTYD 100.9 CT New London, Good but fuzzy signal. Tide ID, not heard too often here.
0208 WEZN 99.9 CT Bridgeport, Easy Rock music, good signal.
0216 WEVD 97.9 NY New York, big band music. Bing Crosby song. Strong signal Only the second time received here.

This is good reception for December. My receiver is a "REALISTIC MODULAIRE 2200". with a wire connected to the extending rod. Wire goes half way around the room on the edge of the ceiling. It works great. This radio is very good on FM.

BILL NIENAJADLY SENDS A SECOND REPORT!

Bill sends an update on DX in early February....

FEBRUARY 1989

1 GW

1201 WSKW 97.9 NY New York 12

2 GW

2024 WKGL 92.7 NY Middletown, WDRB nulled, ID "12 Rock 7" 50

4 TrS

WNYE 91.5 off air
0707 WXXI 91.5 NY Rochester, sunshine show, classical music 240
0718 unID 91.5 Beatles mx, heavy audio processing & echo, male and female DJ

5 AS/Tr

1750 WQQW 99.9 PA Easton, 5 mins then gone 70

6 TrS/GW/AS

using RS FM antenna null NYC antenna in attic, 300 ohm twinlead
0654 WBJC 91.5 MA Baltimore, WNYE off, ID 195
0659 WXXI 91.5 NY Rochester, WNYE off, ID 240
0741 unID 91.5 French in very briefly, any ideas?
1915 W276AQ 103.1 NJ Fort Lee, rebroadcasting WALK, not WPST! 8
2008 WAYV 95.1 NJ Atlantic City, brief ID 130
2126 WSNI 104.5 PA Philadelphia, brief 95
2133 WXTU 92.5 PA Philadelphia, brief ID 95
2136 WAEB 104.1 PA Allentown, ID, brief 80
2142 WKDN 106.9 NJ Camden, ID brief 93

7 TrS/AS

1358 WQKX 94.1 PA Sunbury, o/WYSP!, ads ment Sunbury & Williamsport 140
1614 WPMV 106.3 NJ Blairstown, ID, longtime no hear! 50
More will follow as I get more DX. February shaping up great already, but no major tropo or Es noted. Just better nulls against NYC. Good DXing

GRIG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK 14221

EQUIPMENT: see February VUD reportWJPZ RADIO, INC.
316 WAVERLY AVE., SYRACUSE, NY 13210JANUARY 198910 Tr

0740(WHKS) 94.9 PA Harrisburg, o/semlcl CKQT, rms, The New Kiss 95 (ex:WMSP)

20 Au

1800 WVTF 89.1 VA Roanoke, NPR pgm, ID

1802 WFUV 90.7 NY-New York, calls, legal ID

20 TrS

1853 WMGM 103.7 NJ Atlantic City, legal ID, ads, o/WQNY/WCKC mix

24 Tr/TrS

1705 WFME 94.7 NJ Newark, g, very strong despite strong local WNED 94.5

2116 WRVN 91.9 NY Utica, radio play // WRVO Oswego 89.9, rarely heard here

29 TrS/Tr

1500 WTNV 93.5 NY Watertown, r, T-93-FM, legal ID, o/CBBP. Samantha Fox mx

1332 WPTW 95.7 OH Piqua, ad, ID, into what sounded like Ohio Buckeyes game. Somehow made it through CFJB-WOLN mess.

FEBRUARY 19896 TrS

1900 WHOM 94.9 NH Mount Washington, calls, "The WHOM wx forecast...", lost before end of weather to CKQT/CIMF mix. STATE #36. (Farthest TrS ever at 381 miles.)

7 TrS

1452 WFLS 93.3 VA Fredricksburg, DJ talk, calls, temp (32, I believe) o/WWSE/WMMR. Country music heard later on 93.3

8 TrS

1952 WVIC 94.9 MI E.Lansing, ads, legal ID, into R.E.M. song, r, CKQT off

Semi-local CKQT 94.9 Oshawa seems much weaker lately than they have been in the past. I now regularly hear WQMX-OH, WHKS-PA, and CIMF-PQ come in right over them. WHOM Mt. Washington, my farthest TrS ever heard, was also in right over them! As you can see in my report, there has been a few instances of interesting troposcatter in January and February. Otherwise though, conditions have been dead.

STATION NEWS: A new station on the air in Western New York is WQRT 98.3 in Salamanca. They are a country station (see Dave Nieman's report). No sign yet of WFBF 89.9 or CJBC 90.3. ANOTHER new station is on in Southern Ontario: CIKX 106.5 Owen Sound. Slogan is K-106.5, format is ad/con-rock mixture (see Morris Sorensen's report). In Chicago, WSEX 92.7 Arlington Heights has changed calls to WCBR, "Chicago's Bear". Format is hits/ad.con mix. In Dallas, ez list. KMEZ 100.3 has moved to 107.5, and KDLZ 107.5 becomes KJMZ 100.3, "Jams 100.3", urban contemporary. In Atlanta, WZGC 92.9 has switched to "Classic Rock", allowing WQXI 94.0 to move more in the Top 40 direction. New stations are on in Edinboro, Pa (WMYJ 97.9) and Portage, Mich. (WRKR 107.7) (see Jeff Falconer's report) 97.9 New York City is now WSKQ-Spanish. (See Bob Smolarek's report)

- * I am looking to trade airchecks of stations (a recording of a station), DX Tapes, bumper stickers, and TV Guides with members. I can send you Buffalo, Toronto, and some S. Ontario and Rochester stations, DX Tapes, some stickers, and Buffalo Edition TV Guides.
- * Logos courtesy of Joe Fela, Larry Fuss, Bill Kretschmer, and me.

COMMENTS- What do you think of bandscan reporting? I am looking for members to answer that question. Bandscans, which run in this column in the lite winter-spring months, I feel help to show the membership what can be received at the DXers QTH normally. I have also done and received bandscans from vacation spots as part of a "DXpedition". What do you feel? Do you see you think they are a good idea?

ON THE NEXT PAGE: A bandscan by Bill Kretschmer. See what Bill can regularly receive in North Syracuse, New York, site of the 1989 WTFDA convention!, using his Yamaha tuner and Stereo Probe 9 antenna.

73s,
Greg

BILL KRETSCHMER - 104 KOPP AVENUE - NORTH SYRACUSE, NEW YORK 13212

BANDSCAN: North Syracuse, New York (home of 1989 WTFA convention!-gc)

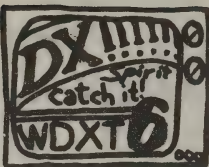
BANDSCAN EQUIPMENT: Yamaha Tuner TX-900 U, Stereo Probe 9 at 40' AGL

CAC-11 coax, Elevation 400' ASL, CM Auto rotor

0.1 WFRW NY Webster	WYSP PA Philadelphia	WLLG NY Lowville	WNNK PA Harrisburg
0.3 WBER NY SYRACUSE	WJWY RI Providence	WHPM MA Northampton	CKTF PQ Hull
0.5 WRUR NY Rochester	34.3 WLVY NY Elmira	39.5 WGY NY Schenectady	104.3 (WKGW) NY UTICA
0.7 WBFO NY Buffalo	WMSG VT Bennington	WDCX NY Buffalo	WBSB MD Baltimore
WHL NY Clinton	34.5 (WYYY) NY SYRACUSE	WJBR DE Wilmington	WMPD MI Detroit
0.9 WDMN NY Auburn	WMD NY Buffalo	WBRI NY New York	WELA OH East Liverpool
WBSU NY Brockport	34.9 WOHM NH Mount Washington	CJBC2 ON Kingston	CBFI PQ Trois Rivières
WOSU PA Selingsgrove	CKQT ON Oshawa	39.9 WOKW NY CORTLAND	104.5 CHUM ON Toronto
WITC NY Cazenovia	CJMF PQ Hull	CKFM ON Toronto	104.7 WQFM NY FULTON
0.1 WJ2P NY SYRACUSE	35.1 WZSH NY South Bristol	100.1 WNNB MA North Adams	104.9 WNGZ NY Montour Falls
0.3 WSKG NY Binghamton	WKKI CT Brookfield	WBRR PA Bradford	105.1 (WQIV) NY DERUYTER
WSSU NY Genesee	35.3 CKOS ON Hamilton	WNIR OH Kent	CKQM ON Peterborough
0.5 WUNY NY UTICA	WGIY NY Gouverneur	WPRR PA Altoona	WNSR NY New York
0.7 WEDS NY Geneva	WDMH NY Honesdale	100.3 WHGL PA Troy/Canton	WILQ PA Williamsport
WITR NY Henrietta	WSPi PA Shamokin	WHTZ NJ Newark	WMLI RI Providence
0.9 WRVQ NY OSWEGO	WTTT PA Tonawanda	WKSZ PA Media	105.3 WKPO NY Hornell
0.1 WSMC NY Greece	W237AN NY Sidney	WZPR PA Meadville	105.5 WSGO NY Oswego
WRCU NY Hamilton	WXXX VT So. Burlington	100.5 WYOR NY Rochester	WDBA NJ Dover
0.3 WMMC NY Albany	35.5 CJBC1 ON Belleville	100.7 CHIN ON Toronto	WREC MA Pittsfield
WJSL NY Houghton	CBCC ON Cornwall	100.9 WEZG NY NORTH SYRACUSE	105.7 WMRV NY Endicott
0.5 (WBLX) NY BALDWINSVILLE	WROD NY Albany	101.1 CHEQ ON Smiths Falls	CHRE ON St. Catharines
WPKT CT Middlefield	35.7 (WABQ) NY MANLIUS	101.3 WRRM NY Rochester	CFBL PQ Laval
WICN MA Worcester	WOLN NY Manlius	WGBI PA Scranton	WVBF MA Framingham
WJUC NY Cortland	WFLN PA Philadelphia	101.5 CFPM ON Peterborough	105.9 WPMO PA Pittsburgh
WBER NY Henrietta	WSSS CT Hartford	WUKW RI Providence	WHCN CT Hartford
0.7 WGCC NY Batavia	35.9 WFLR NY Dundee	WPDH NY Poughkeepsie	WISY ME Bath
WENR NY Utica	36.1 WFERB NY ROME	WPIT PA Pittsburgh	WNNK NJ Newark
WUVU NY New York	WJYE NY Buffalo	WQVZ PA Waynesboro	WJZZ MI Detroit
0.9 WJNY NY Watertown	36.3 CFMK ON Kingston	WKKW NJ Trenton	CBCC ON Orillia
WSSG NY Ithaca	36.5 WCMF NY Rochester	101.7 WSCP NY Pulaski	106.1 WCOD MA Hyannis
1.1 CJRT ON Toronto	WPEL PA Montrose	WECQ NY Geneva	WZKZ NY Corning
1.3 WJNY NY SYRACUSE	36.7 WBRZ NY Clifton Park	101.9 WJIV NY Cherry Valley	CHEZ ON Ottawa
1.5 WXXI NY Rochester	WTSX NY Port Jervis	102.1 CFNY ON Toronto	CKLA ON Guelph
WRPI NY Troy	CKGL ON Kitchener	WIOQ PA Philadelphia	WEGX PA Philadelphia
1.7 WTCR NY Ithaca	96.9 (WOUR) NY UTICA	WQVY MA Springfield	WBLI NY Patchogue
1.9 WRVN NY Utica	WGR NY Buffalo	102.3 WFLC NY Canandaigua	106.3 WNCR NY ONEIDA
CFRC ON Kingston	97.1 CTGL ON Belleville	WRRR NY Tupper Lake	WVIP NY Mt. Kisco
2.1 (WSEN) NY BALDWINSVILLE	WREO OH Ashtabula	WTLQ PA Pittston	WHTG NY Eatonton
CKPC ON Brantford	WRUT VT Rutland	WSUS NJ Franklin	CJBC5 ON Peterborough
2.3 WFLY NY Troy	97.3 WYXL NY Ithaca	102.5 (WUUR) NY ROME	106.5 WPKY NY Albany
2.5 WBECE NY Rochester	CJEZ ON Toronto	WUJQ NY Buffalo	WYRK NY Buffalo
WNYZ CT Waterbury	97.5 WCIZ NY Watertown	WCRB MA Waltham	WMLM PA Bloomsburg
CFGR PQ Montreal	WPST NJ Trenton	CBDF ON Ottawa	106.7 WLTN NY New York
2.7 WYUT NY Herkimer	WALK NY Patchogue	102.7 WEGX VT Macheseter	WNUX MA Boston
WLEZ NY Elmira	WKYN PA St. Marys	102.9 WMR NY SYRACUSE	WIZN VT Vergennes
WPAR NY Ogdensburg	97.9 WKOL NY Amsterdam	103.1 WZ0Z NY Oneonta	WRKZ PA Hershey
2.9 WBUF NY Buffalo	CHOM PQ Montreal	WTOJ NY Carthage	106.9 (WPCA) NY Hudson
3.1 (WATD) NY SYRACUSE	CHTZ ON St. Catharines	WHRM NY Albany	WCCC CT Hartford
WFFN MA Springfield	97.9 WPKY NY Rochester	CFMX ON Cobourg	WZKZ OH Canton
WZAK OH Cleveland	WMSH PA Hazelton	103.3 WPHD NY Buffalo	CKOI ON Ottawa
CHAY ON Barrie	WEVD NY New York	CBQ NY Ottawa	107.1 CILQ ON Toronto
CKCU ON Ottawa	98.1 CHFI ON Toronto	WCRF OH Cleveland	WEZY PA Scranton
33.3 WMSG NY Jamestown	WMMK NY Binghamton	WODS MA Boston	107.3 WRCK NY UTICA
WMMR PA Philadelphia	WJJR VT Rutland	103.5 WACS NY Cobleskill	107.5 WBL5 NY New York
33.5 WIRQ NY Remsen	98.3 W252AC NY SYRACUSE	WYNY NY New York	CBCK ON Kingston
WTVN NY Watertown	CFLY ON Kingston	WMSD DC Washington	CBOM ON Midland
WVBR NY Ithaca	98.5 WMSG NY Niagara Falls	WMLU MI Detroit	107.7 WBMN NY Weathersfield
CBCC ON Peterborough	WKRZ PA Scranton	CTDC ON Orangeville	WENA NY Albany
CBCL ON London	CIEL PQ Longueuil	WRKY OH Steubenville	107.9 (WRHP) NY SYRACUSE
33.7 WBLK NY Depew/Bufalo	98.7 (WNYZ) NY UTICA	103.7 WQNY NY Ithaca	WERC CT Westport
WLVH CT Hartford	WRRS NY New York	WKNE NH Keene	WYKS MA Medford/Boston
WESY MA Lawrence	CBCC ON Wiaraton	103.9 WDKX NY Rochester	CING ON Burlington
WSTW DE Wilmington	98.9 WMLX NY Rochester	WNRK NY Oneonta	
WEZZ PA Pittsburgh	WOCR VT Burlington	WBRK NY Rensselaer	
33.9 WAKZ NY Norwich	99.1 WABL NY Binghamton	CBBC ON Peterborough	
CFMD ON Ottawa	CKQZ ON Toronto	104.1 WHTT NY Buffalo	
34.1 CBL ON Toronto	WPLM MA Plymouth	WYTR MD LaPlata	
WOKX PA Sunbury	99.3 WSWF NY Seneca Falls	WREB PA Allentown	

CAPS = LOCALS, () means other stations on that frequency only audible when this one is off the air.

NEWS



Matt Sittel
PO Box 21441
509G South Hall NCSU
Raleigh, NC 27607
(919) 737-5477
Deadline: 4/1/89 for the
May 1989 VUD column

March 1989/March 1989/MARCH 1989/MARCH 1989/MARCH 1989/mARCH 1989/mARCH 1989/etc.!!!!

A LOOK AT WHAT'S NEWS FOLLOWS THE WEATHER: What a variety! Here in Raleigh we've had some very warm weather. It hit 83 on 2/3, shattering the previous high by 20 degrees. I never heard it officially mentioned but I do believe it was the warmest February day ever! Then there are some portions of the country at that same time that shivered in subzero weather. Greg Coniglio mentions a lack of snow up his way. As of January 19th they were over 35 inches below normal on snow! But as I type this up I see New York is getting its share of lake effect snow. It all balances out in the long run, I guess...now on to the NEWS!

Matt Sittel, NWS News Editor

JANUARY 1989

6 tr 0850 WXL42	NC Winston-Salem	89	.400	Not too much to report-DX has been
24 tr 0935 KEC84	NC New Bern	104	.400	pretty slow recently. New Bern has been
26 tr 0910 WXL42	NC Winston-Salem	89	.400	heard frequently during those times of
	KHB31 NC Wilmington	116	.550	trops though. Wonder why? Sure could

FEBRUARY 1989

1 tr 0825 KEC84	NC New Bern	104	.400	from back in August and September. Guess
3 tr 0825 KEC95	SC Myrtle Beach	147	.400	I'll just have to study instead of DX, hi!

John Ebeling sent in some information on KEC65, Minneapolis-St. Paul, MN. I've included most of the unique information-as of course all stations say the same things on their information sheets in some cases.

"Station KEC-65 transmitter, with close to 1000 watts of power output, is located on the KSTP TV Antenna near University Avenue and the Minneapolis/St. Paul city limits.

Weather information originates and is recorded on magnetic tape at the Weather Service Forecast Office at the Twin Cities International Airport. These taped transmissions include current conditions and severe weather data, the latest forecasts, 3-day forecasts, weather summaries and advisories, river and climatological data, and hourly weather radar summaries. The material is up-dated routinely as conditions change. During severe weather occurrences, routine programming is replaced by releases concerning the severe weather, which is originally broadcasted live. Such releases consist primarily of watches and/or warnings, special and severe weather statements and safety rules. Civil defense sirens are activated if a tornado or very severe thunderstorm threatens the Twin Cities 7 county Metropolitan Area which includes the following counties of Minnesota: Hennepin, Ramsey, Dakota, Scott, Carver, Anoka, and Washington. The KEC-65 transmitter is equipped with a special feature so that during critical weather situations, such as weather warnings, the Weather Service can transmit a distinctive audible tone alert signal for 3 to 5 seconds. The frequency of the tone is 1050 Hertz (cycles per second). Receivers that can be tone-activated are normally left in a "stand-by" mode. Upon receiving the 1050 Hz warning alarm signal, these receivers are activated so that all transmissions on KEC-65 can be heard. A test of the tone-alert facility is conducted each Wednesday at noon. If a severe weather watch or warning is in progress or appears imminent, this test is cancelled."

Their schedule includes:

ID (FCC required, it says)/24 hours a day(beginning each cycle)
Weather synopsis/Traveler's Forecast for 5-state area (MN,WI,IA,eastern Dakotas)/24h daily
Twin City and local extended forecast/24 hours a day
Twin City Hourly weather conditions and Regional roundup/24h daily
Minneapolis Weather Radar Summary/24h daily
Twin Cities Climatological Data/2 to 10 am, 7 to 10 pm
Unscheduled products include:

Severe Weather Watches/Warnings...Safety Rules/Special/Severe Weather Statements/as applicable...routine programming pre-empted
Warning Alarm Test/each Wednesday at noon and the first Wednesday of each month at 1pm.

Thankyou John for the fine information! Also thankyou Greg for the local weather item! And I'll thank me for the DX report since nobody else sent one. Is there any DX out there? Have you been checking? I thought so...well, don't delay! Go check it out, and write me and tell me about your DX or about your local! Help out NWS News!!!!

OTHER NWS NOTES: My local NWS WXL-58 in conjunction with its other stations, WXL-50 in Fayetteville and WXL-59 in Rocky Mount, which Raleigh both programs, are conducting a survey about what listeners think of their service. Well, I didn't want to so I...just kidding! Of course I dropped them a postcard and got a survey and some free brochures. You can bet I told them exactly what I think of all their programming!! You know me. Occasionally they mention conditions at home (for Bristol) so I can find out what it is doing at home. WPTF-28 mentions it also! Watch out for that DX-or listen out-and write in to NWS NEWS! 73's and the best DX to YOU!!!!

WESTERN TV-DX

Fred McCormack
Box 9077
Prairiewood Station
Fargo, ND 58106-9077

March 1989

Deadline: 04-06-89

John Jefferson, 4104 Spyglass Ct., Antioch CA 94509

PST

Guess I'd better get my report in before it gets too old to print. Since August, things have been fairly quiet - just a couple new LPTV's and a new 5 Meg entry from Bakersfield in the last few months.

11/27/88	gw	1130	<u>K69FB</u>	69	CA		Sacramento TBN
12/ 2/88	tr	2354	<u>K56DZ</u>	56	CA	<u>135</u>	Fresno TBN
1/ 2/89	tr	1728	<u>KDOB</u>	45	CA	<u>240</u>	Bakersfield

Am impressed with KDOB's signal so far. They were as good as KBAK-29 and better than KERO-23, though more prone to fading due to their lower transmitter site. KGET-17 was swamped by land mobile interference, so couldn't be assessed. On occasion, KGET is in like a local, interference notwithstanding; it'll be interesting to see KDOB under those conditions as they are cosited! K56DZ is cosited with K34AV, I'm told by a local ce, so the latter's distance is lowered to 135 on the log. Both are highly variable - K34AV goes from good color with little graininess to nothing - since they're down in the valley, not up in the mountains. K69FB, on the other hand, is a daily occurrence - sometimes usable, sometimes very faint, but always there. Log 76 (Antioch) 155 (Diablo area).

Dave Pomeroy, 1169 Webster, Topeka KS 66604-1502

CST

Not much to report, but a few catches including some December skip on some Louisiana stations I don't see here very often. One new local is K31BW from Manhattan at 45 miles. It is viewable on an indoor UHF antenna in my office at KTWU. I've seen it on the TBN list, but January 30 may have been their first day as they are quite consistent and have never faded. I saw no sign of them in late December when I was in Manhattan, but did see TBN on channel 7. I do not know if channel 7 is still on the air as I have never seen them here. K31BW must be 1000 Watts with the signal they have here. TBN K21AP in Topeka has been off for several days so TBN may have someone in the area activating new stations and doing repair work.

<u>November 1988</u>	3 tr 0625	KMEG	14 IA	21 Es 1730	KATC	3 LA
3 tr 0625	K30AL 30 KS	0638	KAUT 43 OK			
(Iola w/KOED-11)		0757	KHBS 40 AR	<u>January 1989</u>		
(Normally KTWU-11)	11 Es 2300	WTKR	3 VA	30 tr	KMEG 14 IA	
0630	KJTL 18 TX				<u>K31BW</u> 31 KS	45
KGMC 34 OK	<u>December 1988</u>				(Manhattan	TBN)
KOKH 25 OK	21 Es 1700	WBRZ	2 LA			

Michael Parks, Route 1, Box 103, Amery WI 54001

CST

<u>November 1988</u>	14 tr 2346	All Chicago U's	<u>December 1988</u>
2 tr 0051	WEEK 25 IL 358	2359	2 tr 2101
0014	<u>CKPR</u> 2 ON <u>263</u>		W49AG 49 WI 187
(Finally, Bill!)			(Bloomington WHLA-31)
2006	WNDU 16 IN 402		W64AU 64 WI 155
2007	WCIU 26 IL 336	15 tr 0014	(Adams WHRM-20)
	WPWR 50(IL) 336		K74CZ 74 MN 99
2033	WSBT 22 IN 401	0038	(Winona KTTC-10)
2201	WNMU 13 MI 223	0105	
(Over WEAU-13)			<u>January 1989</u>
WLUC 6 MI 223			22 gw 1658
			<u>W39AF</u> 39 WI 36
			(Grantsburg WHWC-28)

No really big opening here on November 2 as in some other parts of North America, but I did, at long last, net my first Canadian trop that morning with a station I've been trying for for several years. With Canada only about 200 miles away, I can't understand why Canadian tropes are so elusive.

WHWC-28's second translator, W39AF, finally made it to the air. I had given up on them. They put out a much better signal than higher powered W57AS in Spooner.

I have just discovered KSTP-5 is going for yet another satellite (of KSAX-42) by applying for 38 in Walker. KARE-11 is also expanding their coverage with translators being built in Bemidji (K52DG), Walker (K36CG), Brainerd (K51CZ), and Wadena (K65EG).

QSL CORNER

&

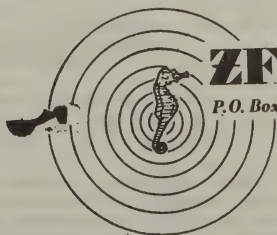
LOGO'S RUN

Thomas J. Yingling, Jr., KA3TCC
221 Pinewood Rd., Baltimore, MD 21222-2345

TV & FM QSLs

ON CFXG 99.9 Sarnia, X 1415 London Rd., Clearwater, Ont. N7S 1P6. Letter in 2 weeks from John Visser, Tech. Mgr. (Ross)
FL WLVE 93.9 Miami, 194 N.W. 187th St., zip 33169. Letter & PPC (prepared card) in 3 weeks from Roy Pressman, CE. (Ross)
GA WHCJ 88.5 Savannah, Savannah State College, zip 31404. PPC in 3 weeks from Martin Foglia, Jr. (Ross)
FL WZTA 94.9 Miami, 4330 N.W. 207th Dr., zip 33055. PPC & letter from Richard Vega, Studio Sup. in 3 weeks. (Ross)
CBKT-7 ch. 4 Moose Jaw, X 2440 Broad St., Box 540, Regina, Sask. S4P 4A1. PPC from D. Chase, CBC Regina in 3 weeks. (Ross)
SC WCBD ch. 2 Charleston, Box 879, zip 29402. PPC & letter from Jerry Walshall, CE in 1 month. (Ross)
PA WKST 91.1 Ellwood City, X 219 Savannah Garoner Rd., New Castle, PA zip 16101. Letter in 3 weeks back from Werner Ullrich II, CE. (Ross)
MS CBHA 90.5 Halifax, Box 3000, zip B3J 3E9. QSL Card back in 1 1/2 months from Eziz Hess. (Ross)
PA WET6 ch. 66 Erie, University Square, zip 16541. Letter in 10 months from Dennis A. Spagnolo, CE. (Ross)
PA WNMV 107.3 Elyria, X 24500 Chagrin Blvd., Suite 107, Cleveland, OH zip 44122. PPC from Glenn P. Smith, CE in 3 weeks. (Ross)
FL WRMF 97.9 West Palm Beach, Box 189, 1500 N. Flagler Dr., West Palm Beach, zip 33402-0189. PPC in 2 weeks from Dick Lucas, CE. (Ross)
FL WRMB 89.3 Boynton Beach, 1511 W. Boynton Beach Blvd., 33436. PPC received in 2 weeks with unsigned card. (Ross)
ON CIRW 88.7 Toronto, 1087 Dundas St. W., zip M6J 1W9. PPC & letter from Frank

Alvarez, Pres. with 22 watts erp (Ross)
FL WOVV 95.5 Ft. Pierce, Box 3032 zip 34948. Letter from Allison Stuart, Prom Dir. in 1 month. (Ross)
ON CIII-4 ch. 4 Owen Sound, X 81 Barber Grove Rd., Don Mills, ON zip M3C 2A2. PPC & letter from Alan C. Willis, Asst. Dir. of Eng. in 1 1/2 months. (Ross)
WI WLYM 102.1 Milwaukee, X 12800 W. Bluemound Rd., Elm Grove, WI zip 53122. PPC & letter from Skip Voros, CE in 2 weeks. (Ross)
WI WIXX 101.1 Green Bay, Box 1991, zip 54305. PPC back in 2 weeks from S. O. Konopka. (Ross)
OH WKKO 99.9 Toledo, 3225 Arlington Ave., zip 43614. PPC back in 16 months signed by Dave Fuller, CE. (Ross)
ON CIII ch. 22 Stevenson, X 81 Barber Greene Rd., Don Mills, ON zip M3C 2A2. PRF & letter back in 1 month from Allan C. Willis, Asst. Dir. of Eng. (Ross)
ON CBLN ch. 34 Sarnia, X Box 500, Station A, Toronto, ON no zip given. QSL Card in 1 month from Vera West. (Ross)
ON CIII ch. 7 Midland, same address for CIII ch. 22 above.
WI WRVN 102.7 Suring, P. O. Box 212, zip 54174. PPC from Alan Krans, CE in 1 1/2 weeks. (Ross)
PQ CBGAT-14 ch. 2 Carleton, X 1400 Pene-Levesque Blvd. East, Montreal, PQ zip H21 2M2. Letter in 3 1/2 years after follow-up report from Pierre Venne, Asst. Eng. (Ross)
IN WRTB 106.5 Washington, 3 E. Vantress, zip 47501. PPC & letter in 2 weeks from Mitchell Cooley. (Ross)
PA WEXC 107.1 Greenville, 44 McCracken Rd., zip 16125. Letter in 2 weeks from Merle G. Anderson, GM. (Ross)
OH WDFM 98.1 Defiance, Box 981, zip 43512. PRC in 2 weeks from R. R. Wigle. (Ross)
WI WAXX 104.5 Eau Claire, P. O. Box 6000, zip 54702. PPC in 1 month from R. J. Lasluk, CE. (Ross)
IN WFRN 104.7 Elkhart, Box 307, zip 307, zip 46515. PPC & letter from Donald Baad, CE in 1 month. (Ross)
PA WBZZ 93.7 Pittsburgh, 1715 Grandview Ave., zip 15211. Letter from Chris Hudak, CE WA3PL in 12 days. (Holbrook)
PA WKYE 95.5 Johnstown, 109 Plaza Dr.,



ZFB-FM stereo • 95

P.O. Box 652, Hamilton, Bermuda Telephone 2-4444

Box 309, zip 15907. Letter from Jim Boxler, Asst. CE in 15 days. (Holbrook)

PA WRAX 100.9 Bedford, P. O. Box 672, zip 15522. Letter from Daniel R. Saouse, GM in 8 days. (Holbrook)

PA WFRJ 88.9 Johnstown, Family Radio, no address given. PPC with verie signer unreadable back in 2 months. (Ross)

CT WHCT ch. 18 Hartford, 18 Garden St., zip 06105. Letter and a WHCT Notepad, said my report furthest to date, signed by Paul A. Rossi, CE in 1 month. (Ross)

PA WOGL 98.1 Philadelphia, City Ave & Monument Rd., zip 19131. Letter from unreadable person, but did send qsl letter, & a WOGL T-Shirt, back in 9 days. (Holbrook)

PA WNNK 104.1 Harrisburg, P. O. Box 104, zip 17108. Letter from Thomas L. Walker, CE back in 6 days. (Holbrook)

PA WSKE 104.3 Everett, P. O. Box 187, zip 15537. QSL Card back with no signer with info on station. WSKE-FM is simulcast with WSKE-AM Stereo using the C-Quam w/NRSC (?) and "Interested in reception notes of DX'ers on WSKE-AM stereo, separation, etc." Reply in 17 days. (Holbrook)

VA W208AD 89.5 Winchester, % WCRH-FM, Route 2, Box 325, Williamsport, MD zip 21795. Letter back from Jeff Haarer, CE. Remarks- "Our translator in Winchester, VA operates with one watt into each polarization of two dual, polarized antennas. The FCC limits FM translators to one watt east of Mississippi. We are using two Sitco ECCP series antennas, a gain of 13 db & at a height of 100 ft." Receiving location was on a DXpedition parked on Rt. 9 at scenic overlook. This is just over the West Virginia line between Hillsboro, VA & Charlestown, WV about 20 miles from Winchester, VA. (Holbrook)

OH WDOK 102.1 Cleveland, 1250 Superior Ave., zip 44114. PPC send back signed by Ted Alexander, CE in 3 months after follow-up report was send. Send coverage-map with PPC qsl. (Holbrook)

ON WBBG 93.3 Youngstown, 418 Knox St., zip 44502. PPC back in 3 months after 1 follow-up report send, came back with unreadable verie signer. (Holbrook)

PA WHTM ch. 27 Harrisburg, 3235 Hoffman St., zip 17110. Letter from Don Landis, CE

in 3 months after 1 follow-up report send. (Holbrook)

CT WTWS ch. 26 New London, 216 Broad St, zip 06320. PPC send back in 2 months signed by Steve R. Ellis, CE. On first report only send back a movie schedule without qsl. (Holbrook)

MS WMAW 88.1 Jackson, P. O. Box 4343, zip 39216-0343. Letter back from Mike Morgan, Dir. of Radio back in 5 months after 1 follow-up report. "Just so we'll both feel better, I'll blame the postal system for not getting your orginial letter to us. We are always happy, and usually prompt to return verification letters. (Holbrook)

AL WHOD 107.9 Jackson, Box 518, zip 36545. Letter from William R. Vogel, Jr. Mgr. "At lease for the 10 year period I've been here, your reception of our FM signal is the farthest we have ever received notification of signal reception. Thanks for your persistence." Also send papamilitary visor car via UPS. (Elving)

GA WVOH 93.5 Hazlehurst, P. O. Box 757, zip 31539. Letter from Wilbur G. Heath, Asst. Mgr. & CE says "It was exciting to find someone so far away receiving our signal, and what was even more surprizing that it was in full stereo." Also sent business & cap via UPS. (Holbrook)

MN KMSU 89.7 Mankato, Mankato State University, Box 153, zip 56001. Letter from William A. McGinley, GM send a long letter, with program guide. (Elving)

MN KMOJ 89.9 Minneapolis, 501 Bryant Ave. N., zip 55405. Letter from Nolan Cramer, CE says "maybe a weather-baloon on EFO of sorts served as a relay" for their greatest distance logging. (Elving)

MS WMAH 90.3 Biloxi & WMAU 88.9 Bade, % P. O. Box 4343, Jackson, MS 39216-0343. Bboth from same address. Letter from David Miller, Program Director. (Elving)

SD KKYA 93.1 Yankton, Box 625, zip 57078. Letter from Randy Kusseman, Operations Manager verifies claiming my reception was "skip" & mentions being heard in KY, MO, & SD. Id's as KK-93 (Elving)

TX KSBJ 88.1 Humble, P. O. Box 187, zip 77347. Letter from Randy Chez, Announcer (who I called up on a Sunday afternood in

TURABO RADIO CORPORATION

P.O. BOX 487 - CAGUAS, PUERTO RICO 00625 - TEL. 744-3131



WNEL-AM-CAGUAS

... 1430 Khz 5,000 Watts

WPRM-FM-

98.5 MG

25,000 Watts hoz.
25,000 Watts Vert.

...UNA EMISORA DISTINTA

order to get a person who would verify - a new trick I am employing for stations not answering two (2) reports.) "I appreciate your call the other day, and it was 88 FM (now 89.3), and to my knowledge, yours is the most distant of all calls received. The frequency change has plus and minuses - mostly pluses; change always seems to bring some stress points, but by and large the move has been a great lift" (Elving)

TX KADE 89.5 Weatherford, X P. O. Box 1809, Dallas, TX. With an unsigned note of "We do not QSL our FM stations. Only shortwave. Have had 1800+ mile reportson all FMs (Pacific Islands listener). Would any of you count as QSL, or do you know somebody in that organization whomight be friendly to FM DXers and slip a verification through to me? (I am considering this a verification, because they do answer my question about the most distant listener and they do not say that I heard KADE ! (Elving)

TX KVNE 89.5 Tyler, P. O. Box 8525, zip 75711. Letter from Rich Landry, announcer, after my calling him to find a "pen pal". He writes "Our staff praises God continually for the weather conditions that allow KVNE signal to reach areas that technically it shouldn't be able to. He also mentions that the station has been heard far north as Ontario & south as Belize. (Elving)

MI WKHQ 105.9 Charlevoix, P. O. Box 237, zip 49720. Letter from Mark Kage, Operations Dir. mentions also getting skip report from FL & CA as well as tropo to Green Bay. "That's pretty mind-blowing for FM" Also send bumper sticker & coverage-map. (Elving)

MN KD06 96.7 North Mankato, Box 1420, zip 56001. Letter from Sandy Hooker send bumper-stickers for both AM & FM station. She says the am has been heard in Sweden, Finland, & Scotland. (Elving)

NE KBRB 92.7 Ainsworth, 122 East Second St., zip 69210. Letter from Randy Brudigan writes "Your report of reception is from the greatest distance reported here. Our operating hours are Monday thru Saturday 6am to 10 pm & Sunday 7am to 10pm. (Elving)

TX KACC 91.3 Alvin, 3110 Mustang Rd., zip 77511. Lette from Wendy Mohon, News

Dir. noting the station is only 800 watts, rock formatted "Our on-air staffwas very impressed that they were heard from that far away". (Elving)

TX KKED 90.3 Corpus Christi, P. O. Box 416, zip 78403-0416. Letter from Dodee Sheffield, Radio Coordinator send letter, & bumper sticker. says they were heard in FL & DC. (Elving)

WI WKBH 105.5 Trempealeau, X 512 Holmen Square, Holmen, WI zip 54636. Letter from Pat Delaney, Op. Mgr. says "I'm amazed that you had enough signal to pull down the subcarrier also. (Elving)

NC WWAY ch. 3 Wilmington, P. O. Box 2068, zip 28402. Letter with transmission facilities info from E. G. Hunter, CE in 8 days. (Wolf)

MI WSYM ch. 47 Lansing, 600 W. St. Joseph St., zip 48933. Letter from Larry A. Estback, CE. "We appreciate receiving long distance reception reports such as yours and I wish you the best of luck in your hobby." Sase was used & reply in 15 days. (Wolf)

OH WL10 35 Lima, P. O. Box 1689, zip 45802. Letter which includes station info from Frederick R. Vobbe, CE. Also send business card, WL10 folder with CATV & market area info & a booklet about their stereo broadcast in 8 days. (Wolf)

ON CBLN ch. 56 Kitchener, X Box 500, Toronto, ON zip M5W 1E6. QSL Card back from Vera West in 1 month. (Ross)

ON CBLN ch. 45 Wingham, same address as above.

ON CBLN ch. 40 London, same address as above.

IN WLBC 104.1 Muncie, 800 E. 29th St, zip 47302. PPC & letter from Burl A. Dixon, CE in 10 days. (Ross)

OH WDIF 94.3 Marion, Box 10000, 355 E. Center St., zip 43302. PPC & letter from Jim Williams, Prog. Dir. in 3 1/2 months. (Ross)

ON CBCK 107.5 Kingston, X CBC Box 500, Station A, Toronto, ON zip M5W 1E6. PPC & letter in 2 months from Jeanette Haas. (Ross)

MS MGUD 106.3 Pascagouh, Box 307, zip 39567. PPC in 1 month after 1 follow-up report from Al Parker, Pro. Dir. (Ross)

OH WDOH 104.9 Geneva, 95 W. Main St, Box 406, zip 44041. PPC in 1 month from

TELEVISION NACIONAL, S. A.

CANAL 4. LA HABANA Y CANAL 3. SANTA CLARA

DIRECCION Y VENTAS:

TELEFONO P-6412
EDIFICIO SINCLAIR, 21 Y O
VEDADO, LA HABANA
CUBA

DPTO. PROGRAMAS Y ESTUDIOS:

TELEFONO UQ-9388
SAN MIGUEL Y MAZON
LA HABANA

Geoff Freeman, Mgr. (Ross)
 MS WCKO 98.7 Jackson, 1855 Lakeland Dr,
 Building "D", zip 39216. PPC in 7 months
 from Terry Stenzel, CE. (Ross)
 TX KYKS 105.1 Lufkin, Box 2209, zip
 75901. Letter from Mark Anthony, DJ in 7
 months. (Ross)
 SD KSLT 107.3 Spearfish, Box 845, zip
 57783. Card back in 3 months from Gary
 Mynick, CE. (Ross)
 TX KQJO 94.1 Ft. Worth, 7700 Carpenter
 Freeway, zip 75247. Letter in 2 months from
 George Whittaker, CE. (Ross)
 PA WHPA 104.9 Harrisburg, X Box 464,
 Hollidaysburg, PA zip 16648. Letter in 2
 months from Gary Magill, CE. (Ross)
 Bermuda ZFB-FM 94.9 Hamilton, P. O. Box
 652. A 1972 qsl report item with letter
 from Ron E. Evans, Station Manager, with
 reply back in 1 month. (Holbrook)
 PR WPRM 98.5 Caguas, P. O. Box 487, zip
 00625. A 1973 qsl report item with letter
 from Jesus M. Soto, President, with reply
 back in 1 month. (Holbrook)
 MN KUHD 89.1 Duluth, University of
 Minnesota, no zip given. Letter from
 Joseph P. Zesbaugh (?), Dir. of Eng.
 letter back 15 days. (Holbrook)

With this month I have used up all of the
 qsl items that I had on file. I hope I
 have not missed any items. I did had to
 drop some for use, because of things
 missing; like address, call sign &
 frequency. Just because a station is in a
 small town, the complete address is
 needed. The zip plus 4 will not be
 enough. In my last column I got a little
 sarcastic to get a point across about the
 way I do this column. I hope I didn't get
 too many members mad at me. If you have a
 list of stations that will not verify any
 report, send me the list in. Also, send in
 the way you report your reception for qsl.
 Bruce Elving says "Most of my follow-ups
 reception reports, I used postcards this
 time, and found that technique quite
 effective." I do have some letter qsl
 photos that I try to use in future.

WCHTS/VORTEX
 WEATHER CENTER

Omaha Council Bluffs Lincoln

TV WORTH WATCHING
PRAIRIE PUBLIC TV

Prairie Public Television telecasts on Ch. 2, Grand Forks; Ch. 3, Bismarck; Ch. 4, Williston; Ch. 6,
 Minot; Ch. 9, Dickinson; and Ch. 13, Fargo.

WJCL

TV 22

S A V A N N A H

4
 WNEF TV
 QUAD CITIES

13
 WEAU TV EAU CLAIRE

POPCORN THEATER
 10 12 15
 GPTV 8/18

GPTV 8/18

Athens/
 1 WGTV
 Chatsworth
 WCLP

NEWSLINE 9
 WAOW WAUSAU

WPWR-TV

50 3
 WSTM-TV
 SYRACUSE

20 WYCC

30
 KDNL TV
 WJFW 12
 RIVELANDER
 WAUSAU

21
 WITB-TV

WLTZ
 TV-38

ACTIVE 8
 WORLD TV QUAD CITIES

WZDX
34 TV

NBC

WEAU 13

KIMT-TV 3
 ABC AFFILIATE

PHOTO NEWS

MARCH

1989

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EDITED BY
David J. Nieman

Jeff Kadet - Macomb, Illinois starts us off this month with a foto of a Texas translator he seen last summer. Looking in his DX shack you'd find: Zenith 9" b&w, Zenith 12" b&w, Zenith N1310, Zenith Y1310 (all circa 1979-1982), Channel Master 1110 with CP 3800 peramp, RG-11 at 50', Channel Master 7' dish with PA 4975 peramp w/.500 cable at 55', Winegard 5 element low band vertically polarized at 20' (equipment info from Dec. 1988 WESTERN TV-DX page 24).



K45AU

Lipscomp, Texas

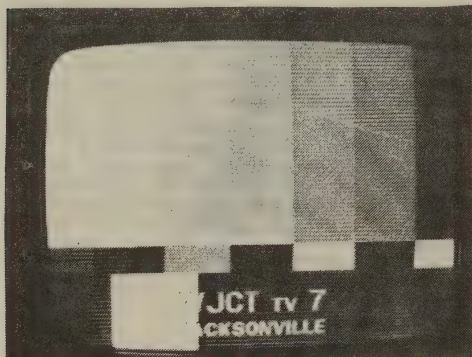
575 mile tropo

seen 8/23/1988

at 0916 CDTIME

Station ERP 1.04kw with antenna at 220 feet. Translator of KVII-7 Amarillo, Texas.

Last November, John F. Combs (EASTERN TV-DX column editor) Jacksonville, Florida went on a camping trip/dxpedition to St. Joseph Peninsula State Park which is near Port St. Joe in the Florida panhandle. The following fotos are just a few of the stations seen " tropo was hot and heavy and there was even some E-skip! 149 stations logged in 7 days!"

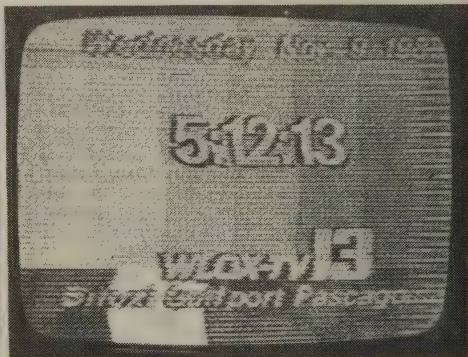


WJCT-7

Jacksonville, FL

231 mile tropo

seen Nov. 9, 1988



WLOX-13

Biloxi-Gulfport-Pascagoula, MS

230 mile tropo

seen Nov. 9, 1988

at 0512:13 CSTIME

PHOTO NEWS

MARCH 1989

PAGE 2

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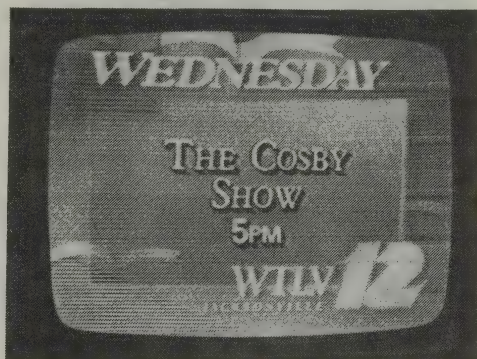
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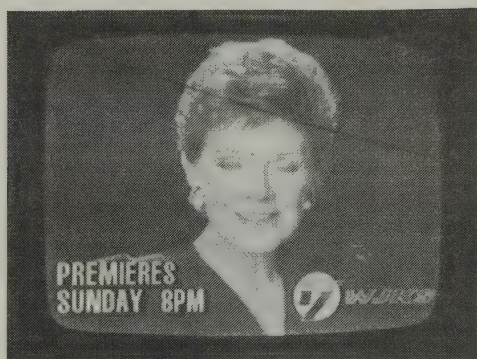
EDITED BY
David J. Nleman

Dxpediton equipment used by John was: 4-bay UHF antenna at 18' above ground, small VHF/UHF "motor home" type antenna at 15' above ground, both turned by "Arm-strong" (no assembly required---djn) rotor, Sears 9" b&w TV. (what! no preamps....I never go on a dxpediton without one---djn)

WTLV-12
Jacksonville, FL
232 mile tropo
seen Nov. 9, 1988



WJKS-17
Jacksonville, FL
232 mile tropo
seen Nov. 9, 1988



W29AB
Ocala, Florida
195 mile tropo
seen Nov. 9, 1988

W29AB is a translator of, WTOG-44
St. Petersburg, FL

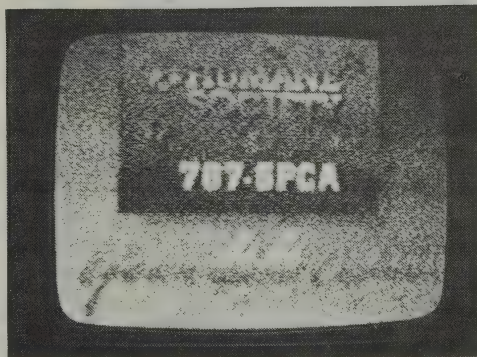


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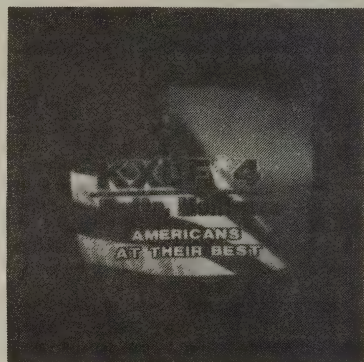
Bill Eckberg is next with DX fotos taken at his home in Dixon, Illinois. In his DX shack he has a 1966 Zenith b&w receiver ch 14N22, modified Zenith 175-1953 detented tuner. Channel Master 1110 VHF antenna. Channel Master 7 foot UHF parabolic antenna with Winegard PA4975 preamp on a 40 foot tower.



XHRIO-2

Matamoros, Tam
1201 mile E-skip
seen May 27, 1988
at 2055 CDTime

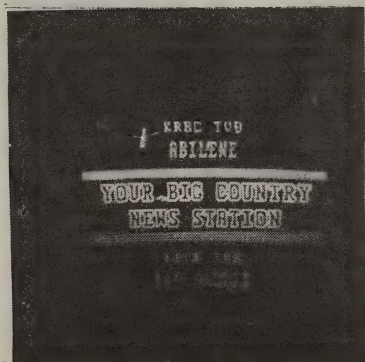
"no H"



KXLF-4

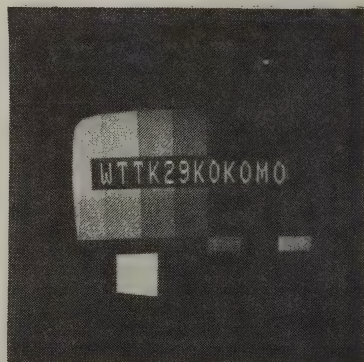
Butte, Montana
1151 mile E-skip
seen May 30, 1988
at 0050 CDTime

"sign-off"



KACB-3

San Angelo, TX
933 mile E-skip
seen June 9, 1988
at 1100 CDTime
Satellite of KRBC-9 Abilene, TX



WTTK-29

Kokomo, Indiana
188 mile tropo
seen June 1988
Satellite of WTTV-4 Bloomington IN
"new on air"

more from John & Bill next time...

DAVE

CANADIAN COAST GUARD GARDE CÔTIÈRE CANADIENNE CONTINUOUS MARINE BROADCASTS

by William R. Hepburn

CONTINUOUS MARINE BROADCASTS are made throughout Canadian waters by Transport Canada's Coast Guard Radio Stations. These stations provide continuous 24-hour marine weather and notices to shipping broadcasts.

This listing updates the last CMB list compiled in the Mar. 81 UUD. A number of stations have since been shutdown and remoted from nearby stations. Some not so 'nearby' ... for example, the Churchill MB broadcasts are now made from the Thunder Bay ON studio! Overall though, the network continues to expand.

The first CMB outlets went on the air in Ontario back in 1974. A few years later, scheduled broadcasts on 2598 kHz were discontinued in Ontario and the St Lawrence Valley but were retained on the Atlantic Coast. Broadcasts in BC on 1630 kHz were shifted to 2054 kHz. These MF broadcasts are still used by ships outside of VHF range.

Few stations use their call-signs on the air and now tend to identify as "Toronto Coast Guard Radio", etc. The repeater or "peripheral" stations use the same call-sign as the parent station.

The primary CMB frequencies are the maritime channels 21-B (161.65), 83-B (161.775), and 25-B (161.85). On the Pacific coast, the weather channels WX-2 (162.40), WX-3 (162.475), and WX-1 (162.55) are also used despite these being assigned to Environment Canada's Weatheradio Network. In Northern Canada, broadcasts are made on ch. 26-B (161.90) on a scheduled basis only.

Many U.S. Coast Guard stations continue to make scheduled broadcasts on ch. 22-A (157.10). An up-to-date listing will be made soon. The USCG stations however are harder to receive since their broadcasts are not continuous ... typical broadcasts being only 10 minutes in length.

S - scheduled broadcasts only.
Powers listed are ERP in watts.

CONTINUOUS MARINE BROADCASTS

<u>Call</u>	<u>Freq</u>	<u>Power</u>	<u>Location</u>
VAJ	161.65	191	PRINCE RUPERT BC
	162.40	1.1	BARRY INLET BC
	162.475	4.3	CUMSHEWA BC
	162.40	5	DUNDAS ISLAND BC
	162.40	5	GILL ISLAND BC
	161.65	54	KITIMAT BC
	162.55	5	KLEMTU BC
	162.40	2.8	NADEN HARBOUR BC
	162.55	3.5	VAN INLET BC
UAF	162.55	63	ALERT BAY BC
	162.40	4.0	CALVERT ISLAND BC
	161.65	79	HOLBERG BC
UAE	161.65	9	TOFINO BC
	162.40	23	NOOTKA BC
	162.40	26	PORT ALBERNI BC
	162.55	3.3	PORT ELIZA BC
UAC	162.55	83	COMOX BC
	161.65	3.0	DISCOVERY MTN BC
UAK	162.475	18	VICTORIA BC
UAI	162.475	18	BOWEN ISLAND BC (Vancouver CGR)
	161.65	7	MAYNE ISLAND BC
SUBA	161.90	48	FRASERWOOD MB (Thunder Bay CGR)
	161.90	50	JACKHEAD MB
	161.90	48	LONG POINT MB
	(\$ sked 0630 0830 1230 1730 1930 CDT May 1-Nov 30 only)		
SUBA	161.90	50	CHURCHILL MB (Thunder Bay CGR)
	(\$ sked 0910 2035 CDT Navigation Season only)		
UBA	161.65	112	THUNDER BAY ON
	161.65	68	ROSSPORT ON
UBB	161.65	204	SAULT STE. MARIE ON
	161.775	257	BALD HEAD ON
	161.775	170	SILVER WATER ON
UBC	161.775	229	MEAFORD ON (Warton CGR)
	161.65	191	KILLARNEY ON (Apr 1-Dec 31 only)
	161.65	190	POINTE AU BARIL ON
	161.65	282	TOBERMORY ON
UBE	161.65	138	SARNIA ON
	161.775	251	KINCARDINE ON
UBE	161.65	191	PORT BURWELL ON (Sarnia CGR)
	161.775	229	LEAMINGTON ON
UBG	161.775	200	PELHAM ON (Toronto CGR)
	161.65	234	COBOURG ON
	161.65	151	ORILLIA ON (Apr 1-Dec 31 only)
UDQ	161.65	195	CARDINAL ON
	161.775	78	CORNWALL ON (Apr 1-Dec 31 only)
	161.775	158	KINGSTON ON
UFN	161.65	60	MONTREAL PQ (FF/EE)
	161.85	-	RIGAUD PQ
	161.775	60	TROIS-RIVIERES PQ

UCC	161.65	60	QUÉBEC PQ [FF/EE]
	161.65	60	CAP EST PQ
	161.775	60	MONTMAGNY PQ
	161.65	60	RIVIÈRE-DU-LOUP PQ
	161.775	60	SACRÉ-COEUR PQ
UCF	161.775	60	MONT-JOLI PQ [FF/EE]
	161.65	-	GROSSES-ROCHES PQ
UCK	161.65	60	SEPT-ÎLES PQ [FF/EE]
	161.85	-	HARRINGTON HBR. PQ (Apr 1-Dec 31 only)
	161.775	-	LA ROMAINE PQ (Apr 1-Dec 31 only)
	161.775	60	MINGAN PQ
	161.775	-	MONT-LOUIS PQ
	161.65	-	NATASHQUAN PQ
UCG	161.65	60	RIVIÈRE-AU-RENARD PQ [FF/EE]
	161.65	-	CARLETON PQ
	161.775	-	NEWPORT PQ
UCN	161.65	100	ÎLES DE LA MADELEINE PQ (Grindstone CGR) [FF/EE]
UAU	161.775	100	YARMOUTH NS
	161.775	100	BLOMINDON NS
	161.65	100	LOCKEPORT NS
	161.65	100	SAINT JOHN NB
VCS	161.65	100	HALIFAX NS
	161.775	100	ECUM SECUM NS
VCD	161.65	100	SYDNEY NS
	161.775	100	BAY ST. LAWRENCE NS
	161.65	100	FOX ISLAND NS
#	161.775	251	SABLE ISLAND NS
UCA	161.65	100	CHARLOTTETOWN PE [EE/FF]
	161.775	100	CAP-EGMONT PE
	161.65	100	POINT ESCUMINAC NB
VOK	161.65	450	HAPPY VALLEY-GOOSE BAY LB/NF (Labrador CGR)
	161.775	450	CARTWRIGHT LB/NF
VOJ	161.65	450	STEPHENVILLE NF
	161.775	450	FRENCHMAN'S COVE NF
	161.65	450	RAMEA NF
VCN	161.775	450	ST. ANTHONY NF
	161.65	450	CONCHE NF
	161.65	450	PORT AU CHOIX NF
	161.65	750	ST. LEWIS LB/NF (proposed Sep 89)
VOD	161.65	450	COMFORT COVE NF
	161.775	450	TWILLINGATE NF
UCP	161.65	450	ST. LAWRENCE NF
	161.775	450	FORTUNE NF
	161.775	450	ST. SHOTTS NF
VON	161.65	450	ST. JOHN'S NF
	161.65	450	BONAVISTA NF
	161.775	450	HEART'S CONTENT NF
\$UFA	161.90	91	INUVIK NT (\$ sked 0935 2135 MDT Navigation Season only)
\$UFN-8	161.90	-	NORMAN WELLS NT (\$ sked 0835 1915 MDT Navigation Season only)
\$UFH-3	161.90	95	HAY RIVER NT (\$ sked 0730 1930 MDT Navigation Season only)
\$UFC	161.90	148	CAMBRIDGE BAY NT (\$ sked 1005 2205 MDT Navigation Season only)

shared part-time repeater -
also relays XLK-473 162.55 HALIFAX NS
(weatheradio Canada)

.....Seventy-Threes.. *Bill*

WTFDA ROSTER

ADAMS,	JOHN M	SEASIDE	OR	COX,	JOE B	DUNWOODY	GA
ADEN,	FRANK, JR	BOISE	ID	CRAWFORD,	KENT T	PARK RIDGE	IL
ALBERTIN,	ERIC	MILWAUKEE	WI	CRAWFORD,	ROOSEVELT	JUNCTION CITY	KS
ALISAUSKAS,	BILL	DOUGLASVILLE	GA	CREGO,	PAUL R	LOCKPORT	NY
ALLEN,	DOUGLASS M	WOODLAND PARK	CO	CRONIN,	WAYNE N	TEMPE	AZ
ALPERT,	DAVID R	NEW YORK	NY	CRONIN,	TIM	WORTH	IL
ANTHONY,	LEE C	ERIE	PA	CUNNINGHAM,	MICHAEL	HARRISVILLE	WV
ARAI,	MASAAKI	TANASHI-CITY	JAPAN	CURVIN,	DAVID	SAN ANTONIO	TX
ARGILAGUET,	JOSEF BRUNO	REUS	SPAIN	DEAN,	DENNIS D	HUBER HEIGHTS	OH
BACA,	LEE	REDWOOD CITY	CA	DEMOSSE,	DAVID W	HARRISBURG	PA
BAKER,	ROBERT	HUMBOLDT	IA	DERMODY,	STEPHEN	SYRACUSE	NY
BARKOW,	GERALD	MORRIS PLAINS	NJ	DIETRICH,	JIM	DERBY	KS
BARSTOW,	ROY	TEATICKET	MA	DISHONG,	MELVIN G	KENNESAW	GA
BARTEK,	DANIEL, JR,	WAHOO	NE	DOLE,	STEPHEN	FREDONIA	NY
BARVINCHAK,	MARTY	GLENSHAW	PA	DRAEB,	BILL	KEWAUNEE	WI
BAUMGARTEN,	JOHN	TOMAH	WI	DULMAGE,	BILL	COLBORNE	ONTARIO
BEAUDIN,	JERRY	CURTIS	MI	DUNN,	DAVID M	COLUMBUS	OH
BERG-ANDERSSON,	RICHARD E	WOODSIDE	NY	DUTKENYCH,	ALEXANDER	STROUD	ONTARIO
BERNSTEIN,	MURRAY	BROOKLYN	NY	DYER,	PAT, WASIYX	SAN ANTONIO	TX
BIGLEY,	ARTIE	SAN ANTONIO	TX	EBELING,	JOHN	BLOOMINGTON	MN
BLAIR,	KENNETH E	LEBANON	PA	ECKBERG,	WILLIAM	DIXON	IL
BLUE,	WILLIAM E	EL CAJON	CA	EDDIE,	RICHARD	ST LOUIS	MO
BOGART,	DAVID	EL CAMPO	TX	EDDY,	ROBERT	NEWPORT	OH
BORTREE,	ROGER	WICHITA	KS	EDWARDS,	DON	CARTERSVILLE	GA
BREWER,	DAVID L	SAN ANTONIO	TX	ELLIS,	ALBERT H	BRANTFORD	ONTARIO
BRIESCHKE,	SUE	MAKANDA	IL	ELVING	DR BRUCE,	ESKO	MN
BROOMALL,	JOHN O	WALESKA	GA	ELY,	NATHANIEL	MADISON	WI
BROWN,	JAMES, JR	ARLINGTON	VA	EMERSON,	W H	OXFORD	CT
BROWN,	JEFFREY A	ALEXANDRIA	IN	ENGEL,	MAX	BROOKLYN	NY
BROYLES,	CHARLES W	PITTSBORO	NC	EPSTEIN,	PETER W	NORTHAMPTON	MA
BRUMFIELD,	DAVID	CHANDLER	IN	ERDMER,	JON W	PITTSBURGH	PA
BRYANT,	TOM	NASHVILLE	TN	ERICKSON,	DON	RIVERSIDE	CA
BUEHLER,	JOHN	TOLEDO	OH	ESTES,	PAUL	KEWANEE	IL
BUGAJ,	MIKE	ENFIELD	CT	FADER,	ERIC	PEEKSKILL	NY
BUNTIN,	DANNY	STILLWATER	OK	FAHBER,	BILL	BRIDGETON	NJ
BURGOS,	JORGE	SAN JUAN	PUERTO RICO	FALCONER,	JEFF	CLINTON	ONTARIO
BURKE,	MICHAEL A	WESTMINSTER	MA	FEIDT,	WILLIAM B	KENSINGTON	MD
BURNHAM,	CHARLES	NEW YORK	NY	FELA,	JOE	SOUTH PLAINFIELD	NJ
BURROWS,	BILL	GLOUCESTER CITY	NJ	FISCHER,	ROBERT E	FAIRBANKS	AK
BYTHEWAY,	PHIL	SEATTLE	WA	FORD,	WENDELL	WESTVILLE	IN
CAMPAGNA,	LOUIS	PHILADELPHIA	PA	FOUNTAIN,	GALEN	HARRISON	AR
CAMPBELL,	JIM	TOWNVILLE	SC	FOXNORTH,	ROBERT	UPTON	NY
CARPENTER,	ROBERT J	ROCKVILLE	MD	FRIEDBERG,	IRA K	BAYSIDE	NY
CASTRO,	MANUEL		SPAIN	FRITZ,	DONALD J	DOWNEY	CA
CAVASENO,	VINCENT	NEW YORK	NY	FRYE,	EDWARD B	SAUGUS	CA
CERVONE,	FRANK	CHICAGO	IL	FUGLESTAD,	KJELL	NORWAY	
CHANG,	WALTER	HILO	HI	FUSS,	LARRY G	OPELIKA	AL
CHARBONNEAU,	FC2 KENNETH	FPO MIAMI	FL	GAFFNEY,	JOSEPH T	APO SAN FRANCIS	CA
CHAREST,	MICHEL	MONTREAL	QUEBEC	GAINES,	PAUL	DETROIT	MI
CHERNOS,	SAUL	ORILLIA	ONTARIO	GAUTHIER,	CHARLES	BROSSARD	QUEBEC
CHILD,	KEITH	KINGS PARK	NY	GEORGE,	PETER Q,	BROCKTON	MA
CHINSKY,	MARK	GLEN HEAD	NY	GERMOND,	AL	COLUMBIA	MO
CHUDOFF,	STEVE	PHILADELPHIA	PA	GEYMAN,	MARK J	SOUTH EUCLID	OH
CIANCIOLO,	PAUL A	HARWINTON	CT	GILL,	JIM	BRADENTON	FL
CIMINO,	SAM C, JR	GROVES	TX	GILMORE,	RONALD	FRANKFORT	OH
CLAMPIT,	TIM	BROOKLYN	MI	GLEITZ,	RICHARD W	YORK	PA
CLARK,	RICHARD	LA VEGA	DOM REP	GLOVER,	CALVIN A, JR	BALTIMORE	MD
CLARK,	GARY T	JOHNSON CITY	TN	GOLDBERG,	LENNY	ASHLAND	OR
CLEMMER,	JOHN	EAST MOLINE	IL	GOLDMAN,	MORRIE S	CHICAGO	IL
COBBLE,	JIM	ST PETERSBURG	FL	GOODMAN,	ROBERT	BRONX	NY
COLE,	STEVEN F	ATLANTA	GA	GOULD,	JIM	KOKOMO	IN
COLEMAN,	BILL, WIST	LOBELVILLE	TN	GRANDJEAN,	NEIL	CROPSVILLE	NY
COMBS,	JOHN F	JACKSONVILLE	FL	GRANT,	ROBERT	DETROIT	MI
CONIGLIO,	GREG	WILLIAMSVILLE	NY	GRAVELLE,	ROGER	ST THOMAS	ONTARIO
COOPER,	ERNEST R	PROVINCETOWN	MA	GRAYSON,	CHARLES F	SOMERSET	NJ
COOPER,	BOB	FORT LAUDERDALE	FL	GREENING,	RON	CANTON	IL
COOPER,	GENE	LIMPOC	CA	GRIFFIN,	NEIL	OTTUMWA	IA
CORNELL,	STEVEN	HARTSDALE	NY	GRIFFITHS,	JOHN	JERSEYVILLE	ONTARIO
COTTON,	EDWARD R	CHESAPEAKE	VA	HAMMER,	DAVID A	COLUMBUS	OH

WTFDA ROSTERWTFDA ROSTER***WTFDA ROSTER***

HANLEY,	CHRISTOPHER	GALESBURG	IL
HARDEN,	DAVID H	APO	NY
HARDISON,	GREGORY S	MISSION HILLS	CA
HARRINGTON,	T P	COLUMBUS	OH
HART,	GERARD	NIAGARA FALLS	NY
HATTAN,	CARL	MELBOURNE	FL
HAUSER,	GLENN	ENID	OK
HAYES,	HARRY	WILKES-BARRE	PA
HEPBURN,	WILLIAM R	MISSISSAUGA	ONTARIO
HEULWYCK,	M	FORT-DE-FRANCE	MARTINIQUE
HIGGS,	WILLIAM	MOUNTAIN VIEW	CA
HOGAN,	MICHAEL L	BURNHAM	IL
HOLBROOK,	HANK	DUNKIRK	MD
HOLLIS,	MICHAEL P	MARY ESTHER	FL
HOOD,	SCOTT M	BEVERLY	MA
HORVITZ,	ROBERT	FALLS CHURCH	VA
HOSTETLER,	ADAM	ROAD TOWN	B V I
HOWIE,	ROBERT S	MATTHEWS	NC
HOWINGTON,	CARLON	ST PETERSBURG	FL
HUYLENBROECK,	MICHEL	GENT	BELGIUM
IANUZZI,	LEONARD	STATEN ISLAND	NY
INGRAHAM,	MARSHALL	LACONIA	NH
INGRAM,	CHARLES	OTTAWA	ONTARIO
JACKSON,	CHARLES J	INDIANAPOLIS	IN
JACKSON,	CLAY	FAYETTEVILLE	TN
JACOBS,	GLENN	MOSCOW	PA
JACOBY,	ROBERT J	LOS ANGELES	CA
JAFFEE,	CHESTER	BERKELEY	CA
JAMES,	MARK	MARQUETTE	MI
JANOWIAK,	DAVE	GREENFIELD	WI
JEFFERSON,	JOHN M	ANTIOCH	CA
JENSEN,	GEORGE	BALTIMORE	MD
JOHNSON,	CHRISTOPHER	MEMPHIS	TN
JOHNSON,	WILLIAM	CLARENDON HILLS	IL
JOSLUN,	NEIL A	WAUKEGAN	IL
KADET,	JEFF	MACOMB	IL
KINGSBURY,	JAMES M	GRANTSVILLE	WV
KINNALLY,	PAUL E, JR	DEDHAM	MA
KIRBY,	KEVIN	OSHAWA	ONTARIO
KOPEC,	ALBERT J	DUNDEE	NY
KORN,	JIM	SAN FRANCISCO	CA
KOSINSKI,	JOHN, JR	STAMFORD	CT
KOWALSKI,	ED	PHILADELPHIA	PA
KRETSCHMER,	WILLIAM	NORTH SYRACUSE	NY
KRUSZKA,	JEFF	RICHLAND	WA
LAGRANGE,	WALTER E	CHATTANOOGA	TN
LANE,	HAROLD E, JR	CARLISLE	MA
LANGRIDGE	ROBERT, JR	WICHITA	KS
LANDSDELL,	GORD	N VANCOUVER	B C
LAPINSKI,	MICHAEL W	JAMESTOWN	NY
LAUN,	ALFRED A, II	TEMPLE HILLS	MD
LEBLANC,	RON	MARRERO	LA
LEGLER,	DAVID	ROCHESTER	MN
LENTZ,	JOHN	MUSKEGO	WI
LEWIS,	L M	KANSAS CITY	MO
LINDSAY,	WILLIAM H	LYNNWOOD	WA
LISZEWSKI,	TED S	PARAMUS	NJ
LOBEL,	ALBERT S	SAN DIEGO	CA
LOGAN,	JOSEPH D, II	DALEVILLE	VA
LOMBARDI,	NICK	ATLANTA	GA
LUMAN,	FRANK	LITTLETON	CO
LUOMA,	ROD	LIVONIA	MI
MANCUSO,	GUS	HYATTSVILLE	MD
MANN,	OSCAR J, JR,	MAYFIELD HEIGHT	OH
MANNING,	PHIL	JOLIET	IL
MANUCCI,	JOSEPH B	NEW HAVEN	CT
MANUCCI,	MICHAEL	WESTERY	RI
MARSHALL,	DONALD D	GREAT FALLS	MT
MARX,	JOHN C	MADISON	WI

MASHER,	JOSEPH F	TROY	NY
MASON,	LARRY	ROME	GA
MCABEE,	DOUG	GODDRICH	MI
MCCORMACK,	FRED	FARGO	ND
MCCOWN,	LOWELL E	AUXIER	KY
MCINTOSH,	W R	GRANADA HILLS	CA
MCKEE,	SAM	DECATUR	IL
MCNEELY,	MICHAEL	EVANSVILLE	IN
MCVEY,	TIM	ELLCOTT CITY	MD
MEADE,	LARRY	CHICAGO	IL
MERRILL,	FRANK	MACOMB	IL
MESSMER,	KEVIN	SEA CLIFF	NY
MICHAELS,	RICHARD J	SAN PEDRO	CA
MICHALEK,	ALAN	SPRINGFIELD	MA
MIGLEY,	WILLIAM J	LANCASTER	OH
MILEON,	GEORGE	LYNN	MA
MILLER,	JAMES GREGOR	LONDON	ONTARIO
MILLER,	JAY	TOMS RIVER	NJ
MILTIER,	RANDY	SAN JOSE	CA
MISHLER,	THOMAS	LAPEER	MI
MITSCHLER,	PAUL	ALBUQUERQUE	NM
MONTI,	GREGORY	ARLINGTON	VA
MOODY,	DAVID	WEST PORTSMOUTH	OH
MOORE,	CARL	BRATTLEBORO	VT
MOUNT,	PAUL R	TEANECK	NJ
MOYER,	NOBEL A	MIDDLEBURG	PA
MURPHY,	SEAN	BOSTON	MA
MURRAY,	MELVIN J	BURKE	VA
NAGEL,	ERIK	TAYLORS	SC
NAHIRNIAK,	JAMES J	WARREN	MI
NELSON,	JUSTIN G	CONCORD	MA
NELSON,	KURT	LANGHORNE	PA
NIEMAN,	DAVID J	AKRON	NY
NIEHAJADLY,	BILL	CLIFTON	NJ
NOFFSINGER,	KEN	TIPP CITY	OH
NOLLMAN,	WILLIAM N	BOZRAH	CT
NORDQUIST,	FRED	CLAY	NY
O'CONNELL,	MICHAEL	LOST GATOS	CA
O'CONNOR,	ROD	KODIAK	AK
OLSON,	GARY	LAKE FOREST	IL
ONKEN,	DR ULRICH	DORTMUND	WEST GERMAN
ONYSCHUK,	KEN	COUNTRY CLUB HI	IL
OPRISKO,	PETER	WHITING	IN
ORTEGA,	SALLY	SAN JOSE	CA
OVERDIECK,	MELVIN H	HOPKINS	MN
PANTAZES,	ROBERT	NORTHFIELD	NJ
PARADIES,	STEVEN	MILLVILLE	NJ
PARILLO,	JOHN	GIRARD	OH
PARKS,	MICHAEL	AMERY	WI
PATTON,	WALTER	WILLOWDALE	ONTARIO ⁹
PEPIN,	ALAIN	ST-JEAN-SUR-RIC	P Q
PERGE,	JOE	NEWARK	OH
PETRI,	ALAIN	CANE BAY	U S V I
PIZZI,	JIM	PASO ROBLES	CA
POMEROY,	DAVE	TOPEKA	KS
PONDER,	STEPHEN H	SHREVEPORT	LA
PRICE,	LESLIE E	WILMINGTON	NC
PUGH,	KEITH D	NEW HOPE	AL
PURDUE,	RONALD	BYRON	MN
QUAGLIERI,	AL	ALBANY	NY
RAMES,	CLIFF	HOLLYWOOD	FL
RAMSEY,	JOHN	WEST HARTFORD	CT
REESE,	RICHARD	JERSEY SHORE	PA
REID,	KERMIT	COLLEGE PARK	GA
REID,	MIKE	NORTH YORK	ONTARIO
REID,	ANDY W	PETERBOROUGH	ONTARIO
REMMER,	LESLIE	OLYMPIA	WA
RENFREW,	JIM	ROCHESTER	NY
RICHARDSON,	KURT	N SYRACUSE	NY

WTFDA ROSTERWTFDA ROSTER***WTFDA ROSTER***

RIDGE,	JOHN T	BROOKLYN	NY
RIEGER,	JOHN	SO MILWAUKEE	WI
RITCHIE,	EDWARD, JR	MUSKEGO	WI
ROCCAFORTE,	ANSELMO		ARGENTINA
ROGER	"JOLLY,"	EDMONTON	ALBERTA
ROGERS,	GEORGE	CHICKAMAUGA	GA
ROLLINS,	JIM	ALEXANDRIA	VA
ROSE,	RICH R	DETROIT	MI
ROSENBERG,	DR JOEL	RICHMOND HILL	ONTARIO
ROSS,	ROBERT,	LONDON	ONTARIO
ROUSE,	JOHN L,	BOWIE	MD
ROME,	ROBERT	CORPUS CHRISTI	TX
RUSSELL,	STEVEN	TUCSON	AZ
SABELLA,	ROGER	CHICAGO	IL
SANFORD,	CLIFFORD L	DAVISON	MI
SCHISSLER,	GEORGE H	SWANNANOA	NC
SCHULMAN,	ERICH,	MURFREESBORO	TN
SCHWEITZER,	ROBERT E	OLD BRIDGE	NJ
SEAMAN,	ROBERT	HAZLETON	PA
SEYBOLD,	ROBERT	DUNKIRK	NY
SHAFFER,	BILL	TOLEDO	OH
SHAFTAN,	RICHARD K	HOBOKEN	NJ
SHAPIRO,	DAVID	GRIFFIN	GA
SHERMAN,	GEORGE	APPLE VALLEY	MN
SHULTS,	MARVIN	TOULON	IL
SHURA,	CRAIG	ST CATHARINES	ONTARIO
SIEGEL,	GARY	TOLEDO	OH
SIMON,	KENNETH R	LAKE WORTH	FL
SINCLAIR,	DAVID A	VANCOUVER	B C
SIROVY,	EDWARD	WESTMONT	IL
SITTEL,	MATT	RALEIGH	NC
SMITH,	JOSEPH, JR	JOHNSON CITY	NY
SMOLAREK,	ROBERT	WHITEHOUSE STAT	NJ
SNOW,	DR JAMES	DARIEN	GA
SNYDER,	JACK	SCRANTON	PA
SORENSEN,	MORRIS	PORT CARLING	ONTARIO
SPRACHMAN,	STEVEN P	HICKSVILLE	NY
STARK,	DAVID T	ROCHESTER	NY
STEENHUSEN,	SCOTT	WICHITA	KS
STEINBERGER,	RICHARD	HUDSON	MA
STOCK,	F RONALD	AURORA	NY
STOFFEL,	JOHN	SAG HARBOR	NY
STONE,	MIKE,	LWDEN	IA
STONE,	BOB	LOS ANGELES	CA
STRICKERT,	MARK	CHICAGO	IL
STROBEL,	RALPH	MUNCIE	IN
SULAK,	JOHN M	DAYTONA BEACH	FL
SULLIVAN,	JOHN	MONTCLAIR	CA
SULLIVAN,	PHIL	ACTON	MA
SUNDIUS,	ERIC	PLEASANTON	CA
SUTHERLAND,	ROBERT F	WALTHAM	MA
SVETLIK,	JACK	PARK RIDGE	IL
SWEARINGEN,	PAUL	TOPEKA	KS
* SWIGER,	BILL	BRIDGEPORT	WV
TAYLOR,	PETE	SAN FRANCISCO	CA
TEUFEL,	HARRY	PHILADELPHIA	PA
THOMAS,	BOB	ST FRANCIS	WI
THOMPSON,	BILL	BUFFALO	NY
THOMPSON,	ROD	SACRAMENTO	CA
TIMMERMAN,	BOB	AUBURN	IN
TOBIA,	ALPHONSE	NEWARK	CA
TOWNSHEND,	WILLIAM	WASHINGTON	DC
TRAPP,	RANDALL	DODGE CENTER	MN
TRASKA,	PAUL	BUFFALO	NY
TRIAY,	CHARLES	ARCADIA	FL
TRUTENAU,	BERND	REYKJAVIK	ICELAND
TURCSANY,	RICH	STRATFORD	CT
UETAKE,	ATSUO	TOKYO	JAPAN
UNDERWOOD,	DAVID	GREENE	RI

VOGT,	LARRY,	SPRINGFIELD	VA
WALCZAK	SP4 GARY	AP0 NY	NY
WALKER,	WILLIAM	EAST HARTFORD	CT
WALLACE,	JAMES J	BELLAIRE	OH
WALSH,	JOHN J, JR	MCKEE CITY	NJ
WALTER,	C	KENMORE	NY
WALTERS,	JOHN H	VINCENTOWN	NJ
WARD,	TIM L	LOUISVILLE	KY
WARD,	THOMAS W	NEW YORK	NY
WARDELL,	PAUL	PORTLAND	OR
WEIL,	LARRY	HAVERHILL	MA
WEISBERG,	LARRY	MANCHESTER	NH
WERTMAN,	RICH	LOCKPORT	NY
WEST,	STEVE	HAVERTOWN	PA
WHEELER,	FRANK	ERIE	PA
WHITE,	MICHAEL	HONOLULU	HI
WILKIE,	BEN R	YORK	ME
WILLIAMS,	ROBERT J	TWIN FALLS	ID
WIMER,	MICHAEL,	WOODBIDGE	VA
WING,	RON	WICHITA	KS
WOLDERING,	PETER		HOLLAND
WOLF,	JEFF	SILVER SPRING	MD
WOLFE,	GEOFF	MT WAVERLY	AUSTRALIA
WOOD,	TRACY,	MARTINEZ	GA
WRIGHT,	PETER	CHARLOTTE	N B
WURL,	DAVID M	MARSHFIELD	WI
WYLLIE,	WILLIAM	FRANKLIN	MA
YINGLING	THOMAS, JR	BALTIMORE	MD
ZANK,	NEIL G	LINCOLN	NE
ZEIS,	JOHN	EXTON	PA
ZENT,	ROBERT	HUNTINGTON	IN
ZIMMERMAN,	IAN	GARDENVILLE	NY
ZONDLO,	JOHN	OKLAHOMA CITY	OK
ZUK,	KARL J	CROTON-ON-HUDSO	NY

COMMENTS: LETS MAKE THIS ROSTER AN ANNUAL VUD FEATURE!!!! THIS WAS PLANNED TO BE READY FOR THE JANUARY ISSUE ORIGINALLY BUT THE MEMBER WHO VOLUNTEERED TO DO IT SAID HE WAS TOO BUSY TO FINISH IT.....THIS BRINGS UP AN IMPORTANT POINT.....IF YOU VOLUNTEER TO DO SOMETHING FOR THE VUD.....DO IT!!!! THE CLUB DEPENDS 100% ON VOLUNTEERS TO COMPLETE PROJECTS AND ARTICLES LIKE THIS ONE.....I WOULD LIKE TO SUGGEST THAT WHOEVER DOES THE NEXT SUCH ROSTER SHOULD HAVE A MAP (MAYBE A VUD COVER!!!!) SHOWING LOCATIONS OF WTFDAERS AND PERHAPS EVEN LISTINGS BY STATE, PROV., CITY, ETC. (JUST LIKE IN VANE JONES) SHOWING WHO AND WHERE THE CLUBMEMBERS ARE.....I DECIDED TO LEAVE OUT OF THIS LIST THE CALL SIGNS THAT APPEAR NEXT TO MANY MEMBERS NAMES ON THEIR MAILING LABELS AS I HAVE NO WAY OF TELLING IN MANY CASES WHAT THEY MEAN.....SOME ARE HAM RADIO/CB CALL SIGNS BUT OTHER ONES ARE APPARANTLY SHORTWAVE LISTENER OR SCANNER MONITOR CALL SIGNS, ITS HARD FOR ME TO TELL THE DIFFERENCE.....THIS LIST IS BASED ON MAILING ADDRESSES OF MEMBERS, SOME MEMBERS HAVING U.S. CITIES AS THEIR ADDRESSES ARE ACTUALLY USING THEM AS MAIL DROPS AND ARE STATIONED OR LIVING OUTSIDE THE CONTINENTAL U.S.....THIS LISTING IS BASED ON CLUB MEMBER VUD MAILINGS AND DOES NOT INCLUDE ADDITIONS AND DELETIONS AND SOME ADDRESS CHANGES MADE FROM 10/88 TO 1/89.....I AM NOT RESPONSIBLE FOR MISPELLING NAMES, BLAME THE COMPUTERS FOR THAT, OKAY?, HI, HI.....73s, RON S.

STATION BREAK

WTFDA H.Q.
P.O. Box 514
Buffalo, NY 14205-0514

WTFDA member ads only. Items may be edited to conserve space.

FOR SALE - Sansui TU-517 tuner. Will sell because I have a Denon TU-800 on order. Unit in very good shape, has good analog frequency readout, good sensitivity and selectivity, and would offer improvement for anyone using low-moderate price receiver, ghetto blaster, etc. Has a little (AC?) hum. You can't go wrong at \$25 plus shipping!
Doug Allen - PO Box 5646 - Woodlawn Park CO 80866 - (719) 687-3549

FOR SALE - Magnum FT 101 Dynalab FM tuner and accompanying 12 element Lindsay yagi (they supply the cable business with antennas here in Canada as well as in the U.S.A.)...will be sold to the highest bidder, they are the top of the line and tuner still has three years of guarantee left on it...original price came to around \$700.
Albert H. Ellis - 19 McClure Ave. - Brantford ONTARIO N3R 4L7 - CANADA - (519) 752-0196

FOR SALE - Foreign-standard TV's for F2 DXing! Many available at local pawn shops due to nearby military bases. Examples: Sharp Linytron DV 262SPN 25 inch 7 system (SECAM, PAL, NTSC systems) w/remote \$299, Toshiba Blackstripe 19 inch 4 system (SECAM, PAL, NTSC 3.58, NTSC 4.43) \$175. We will check out set as best we can, but sold as is! Packing and shipping extra. If you live near military base check local pawn shops!!!
Doug Allen - PO Box 5646 - Woodlawn Park CO 80866 - (719) 687-3549

FOR SALE - Archerotar #15-001225. In very good shape. Cost \$60 in July '87. Will sell for \$30, shipping included.
Doug Allen - PO Box 5646 - Woodlawn Park CO 80866 - (719) 687-3549

FOR SALE - Radio Shack VHF/UHF/FM mast-mounted preamp #15-001124. In very good shape. Cost \$35 in July 1987. Will sell for \$18, shipping included. Call or write
Doug Allen - PO Box 5646 - Woodlawn Park CO 80866 - (719) 687-3549

YOUR non-commercial ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WTFDA and the VHF-UHF DIGEST assume no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.

FM MAYHEM!!!

COMING SOON
in the V.U.D.

GET READY--SPRING IS BACK.
IT'S TIME FOR VHF DX TO
GET STARTED AGAIN!

HELP GET OVER THE ANNUAL
DX SLUMP WITH A WORD
PUZZLE FOR VHF/UHF DXERS!



WORLDWIDE TV-FM DX ASSOCIATION

POST OFFICE BOX 514-BUFFALO, NY 14205-0514-U.S.A.

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Wt-FM DIGEST

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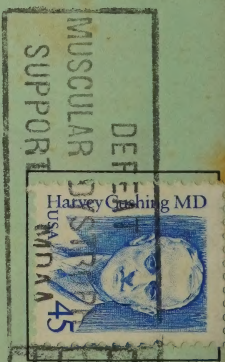
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ANNUAL DUES - UNITED STATES: \$17

CANADA: \$18

OUTSIDE NORTH AMERICA: \$27

MAKE CHECK OR MONEY ORDER PAYABLE TO WORLDWIDE TV-FM DX ASSOCIATION.



first class mail

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EXPIRES NEXT NOV.